

"A FULLY CONTROLLED ACCESS FACILITY"

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
CONSTRUCTION PLANS FOR STATE HIGHWAY

NO. LITTLE ROCK-
ST. FRANCIS CO. LN. (SEL. SECS.)
(CABLE MEDIAN BARRIER) (S)

PULASKI, LONOKE, PRAIRIE & MONROE COUNTIES

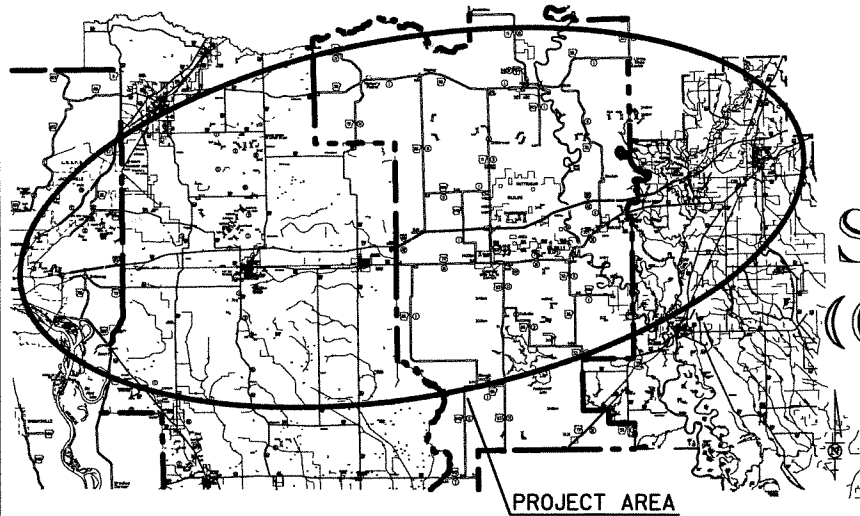
ROUTE 40 SECTIONS 33, 41, 42, & 43

FEDERAL AID PROJ. 9050

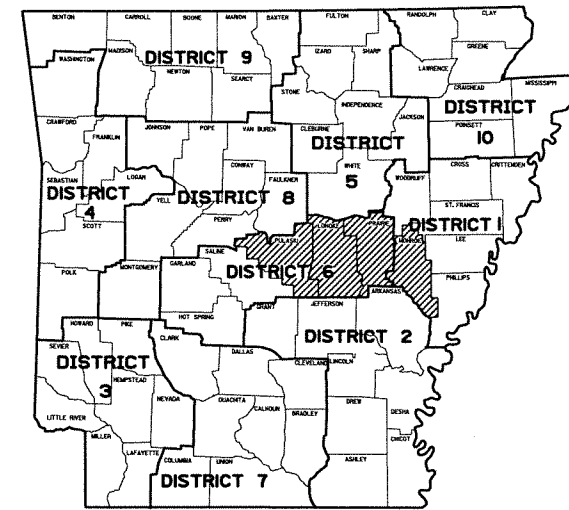
JOB 012177

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO.						012177	1	104

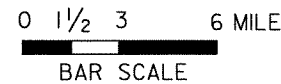
2 NO. LITTLE ROCK-ST. FRANCIS CO. LN. (SEL. SECS.) CABLE MEDIAN BARRIER(S)



VICINITY MAP



ARK. HWY. DIST. 1 & 6



EXCEPTIONS:

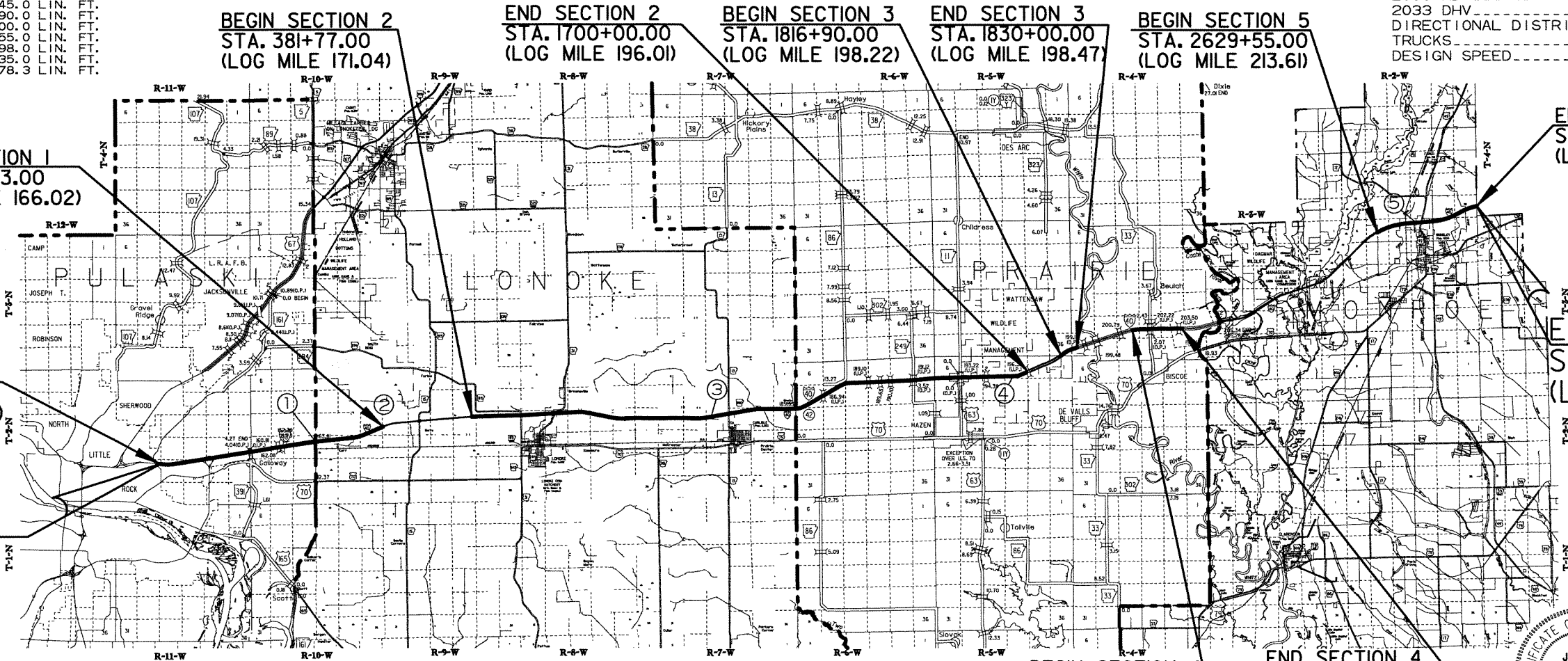
STA. 116+53 TO STA. 381+77	=	26502.3	LIN. FT.
STA. 537+85 TO STA. 540+25	=	240.0	LIN. FT.
STA. 891+00 TO STA. 892+13	=	113.0	LIN. FT.
STA. 1614+65 TO STA. 1616+10	=	145.0	LIN. FT.
STA. 1700+00 TO STA. 1816+90	=	11690.0	LIN. FT.
STA. 1830+00 TO STA. 1990+00	=	16000.0	LIN. FT.
STA. 2124+00 TO STA. 2629+55	=	50555.0	LIN. FT.
STA. 2774+50 TO STA. 2777+48	=	298.0	LIN. FT.
STA. 2868+25 TO STA. 2868+60	=	35.0	LIN. FT.
TOTAL LENGTH OF EXCEPTIONS	=	105578.3	LIN. FT.

DESIGN TRAFFIC DATA

DESIGN YEAR	2033
2013 ADT	36000
2033 ADT	47000
2033 DHV	5170
DIRECTIONAL DISTRIBUTION	0.60
TRUCKS	52%
DESIGN SPEED	70 MPH

EQUATIONS:

① STA. 601+31.4 BK. =	STA. 0+00.0 AHD.
② STA. 117+85.50 BK. =	STA. 118+07.20 AHD.
③ STA. 934+45.7 BK. =	STA. 934+41.5 AHD.
④ STA. 1680+73.7 BK. =	STA. 1679+07.4 AHD.
⑤ STA. 2732+56.60 BK. =	STA. 2748+43.60 AHD.



BEGIN JOB 012177
STA. 230+80.00
(LOG MILE 156.80)

END SECTION 1
STA. 116+53.00
(LOG MILE 166.02)

BEGIN SECTION 2
STA. 381+77.00
(LOG MILE 171.04)

END SECTION 2
STA. 1700+00.00
(LOG MILE 196.01)

BEGIN SECTION 3
STA. 1816+90.00
(LOG MILE 198.22)

END SECTION 3
STA. 1830+00.00
(LOG MILE 198.47)

BEGIN SECTION 5
STA. 2629+55.00
(LOG MILE 213.61)

END SECTION 5
STA. 2896+73.00
(LOG MILE 218.31)

END JOB 012177
STA. 2896+73.00
(LOG MILE 218.31)

BEGIN SECTION 4
STA. 1990+00.00
(LOG MILE 201.50)

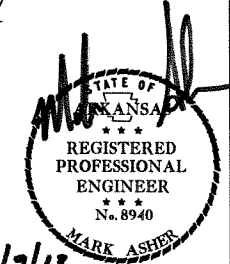
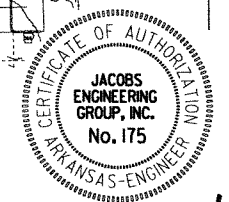
END SECTION 4
STA. 2124+00.00
(LOG MILE 204.04)

	BEGIN PROJECT	MID-POINT OF PROJECT	END PROJECT
LATITUDE	N 34°46' 42"	N 34°48' 52"	N 34°55' 04"
LONGITUDE	W 92°11' 55"	W 91°39' 56"	W 91°09' 13"

LENGTH OF PROJECT CALCULATED ALONG C.L. MEDIAN

GROSS LENGTH OF PROJECT	325133.80	FEET	OR	61.578	MILES
NET ROADWAY	219555.50			41.582	MILES
NET BRIDGES	000000.00			00.000	MILES
NET PROJECT	219555.50			41.582	MILES

P.E. JOB 012177
NON-PARTICIPATING



1/7/13

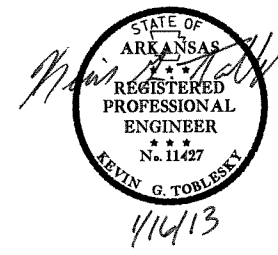
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				6	ARK.			
				JOB NO.	012177		2	104

② INDEX OF SHEETS, GOVERNING SPECIFICATIONS AND GENERAL NOTES



INDEX OF SHEETS

SHEET NO.	TITLE	BRIDGE NO.	DRWG. NO.	DATE
1	TITLE SHEET			
2	INDEX OF SHEETS, GOVERNING SPECIFICATIONS AND GENERAL NOTES			
3	TYPICAL SECTIONS OF IMPROVEMENT			
4 - 5	SPECIAL DETAILS			
6 - 46	TEMPORARY EROSION CONTROL DETAILS			
47 - 49	MAINTENANCE OF TRAFFIC			
50 - 53	QUANTITIES			
54	SUMMARY OF QUANTITIES AND REVISIONS			
55 - 96	PLAN SHEETS			
97	CONCRETE DITCH PAVING		CDP-1	11-17-10
98	GUARD RAIL DETAILS		GR-8	7-14-10
99	GUARD RAIL DETAILS		GR-9A	4-17-08
100	GUARD RAIL DETAILS		GRT-1	7-14-10
101	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION		TC-1	12-15-11
102	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION		TC-2	3-11-10
103	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION		TC-3	10-15-09
104	TEMPORARY EROSION CONTROL DEVICES		TEC-1	12-15-11

GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2003, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

NUMBER	TITLE
ERRATA	ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
FHWA-1273	REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS
FHWA-1273	SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS
FHWA-1273	SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
FHWA-1273	SUPPLEMENT - WAGE RATE DETERMINATION
100-2	MANUAL FOR ASSESSING SAFETY HARDWARE (MASH)
102-1	BIDDING REQUIREMENTS AND CONDITIONS
105-1	CONSTRUCTION CONTROL MARKINGS
105-2	EQUIPMENT AND MATERIAL STORAGE ON BRIDGE STRUCTURES
105-3	CONTROL OF WORK
107-1	WORKER VISIBILITY
108-1	LIQUIDATED DAMAGES
110-1	PROTECTION OF WATER QUALITY AND WETLANDS
303-1	AGGREGATE BASE COURSE
404-1	PRODUCTION VERIFICATION OF ASPHALT CONCRETE HOT MIX
404-2	DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
409-1	MINERAL AGGREGATES
410-3	DENSITY TESTING FOR ACHM LEVELING COURSES AND BOND BREAKERS
600-1	WATER FOR VEGETATION
603-1	MAINTENANCE OF TRAFFIC
604-1	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
604-2	INSPECTION OF TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
606-1	PIPE CULVERTS FOR SIDE DRAINS
JOB 012177	BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
JOB 012177	CONCRETE DITCH PAVING
JOB 012177	DOCUMENTATION OF PAYMENTS MADE TO DISADVANTAGED BUSINESS ENTERPRISES
JOB 012177	INTERNET BIDDING
JOB 012177	MAINTENANCE OF TRAFFIC
JOB 012177	PARTNERING REQUIREMENTS
JOB 012177	PLASTIC PIPE
JOB 012177	REMOVAL AND DISPOSAL OF IMPACT ATTENUATION BARRIERS
JOB 012177	SEQUENCE OF CONSTRUCTION
JOB 012177	SITE USE (A + C METHOD)
JOB 012177	STORM WATER POLLUTION PLAN
JOB 012177	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB 012177	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
JOB 012177	UTILITY ADJUSTMENTS
JOB 012177	VALUE ENGINEERING
JOB 012177	WARM MIX ASPHALT
JOB 012177	WIRE ROPE SAFETY FENCE (WRSF) SPECIFICATIONS
JOB 012177	WIRE ROPE SAFETY FENCE MAINTENANCE MATERIALS
JOB 012177	WRSF TRAINING WORKSHOP

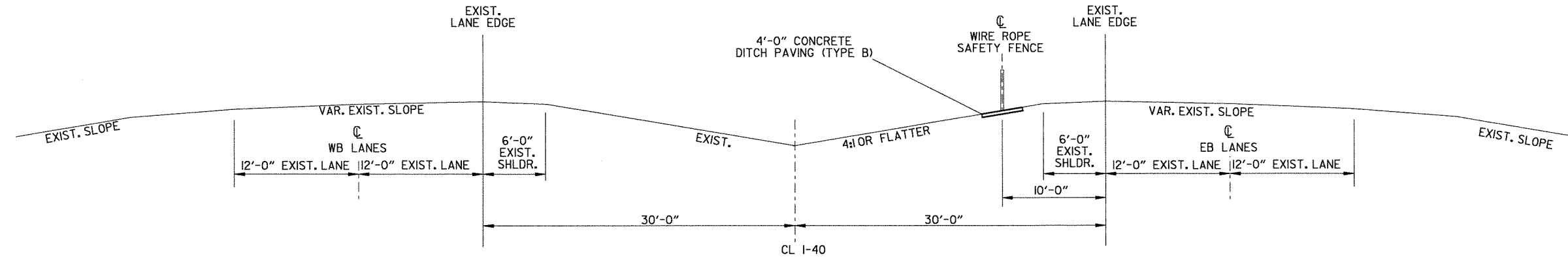
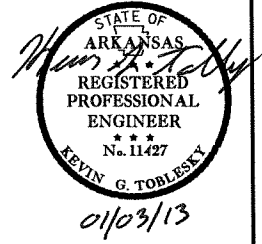
GENERAL NOTES

- ALL PIPE LINES, POWER, TELEPHONE AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 - UNCLASSIFIED EXCAVATION.
- THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ANY REQUIRED EROSION CONTROL MEASURES FROM WASTING MATERIAL SHALL BE AT THE CONTRACTOR'S EXPENSE.

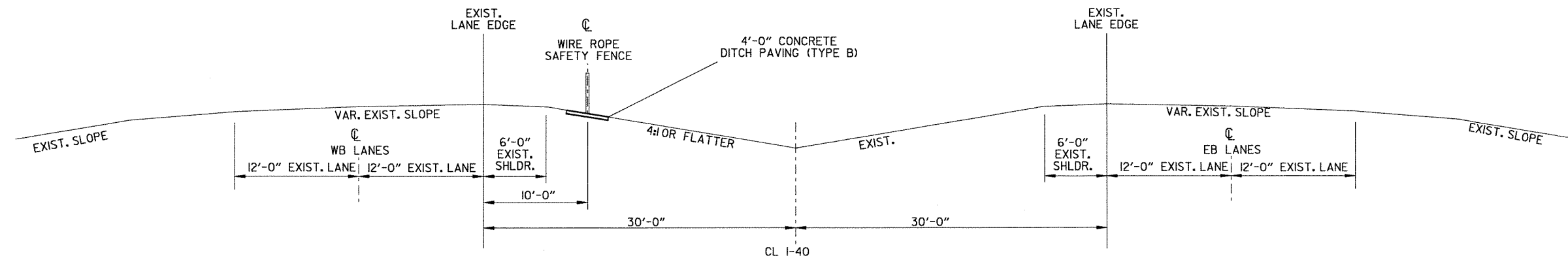


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② TYPICAL SECTIONS OF IMPROVEMENT



TYPICAL SECTION OF IMPROVEMENT
WIRE ROPE SAFETY FENCE ON EASTBOUND LANES FORESLOPE

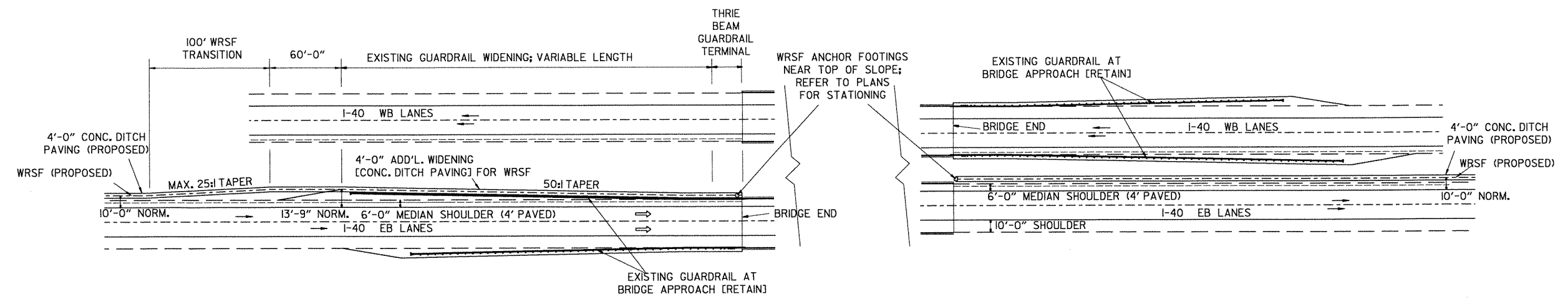
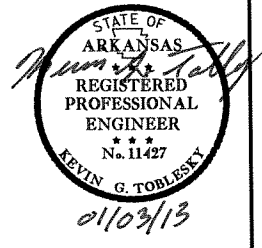


TYPICAL SECTION OF IMPROVEMENT
WIRE ROPE SAFETY FENCE ON WESTBOUND LANES FORESLOPE

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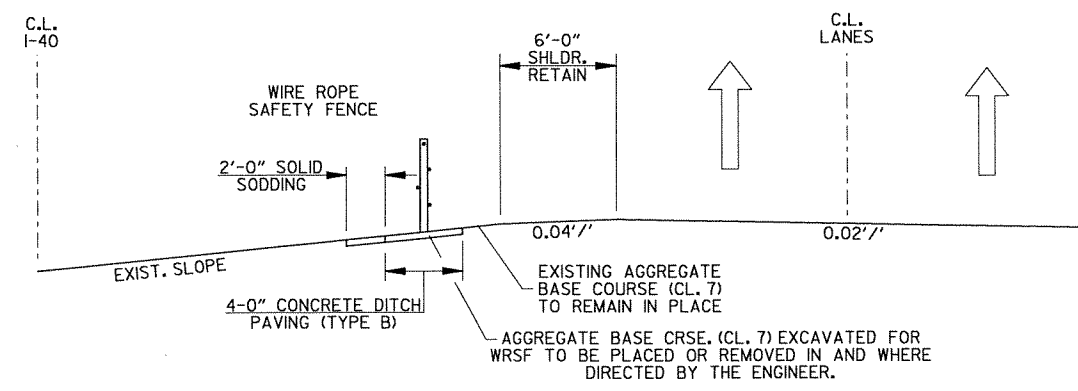
2 SPECIAL DETAILS



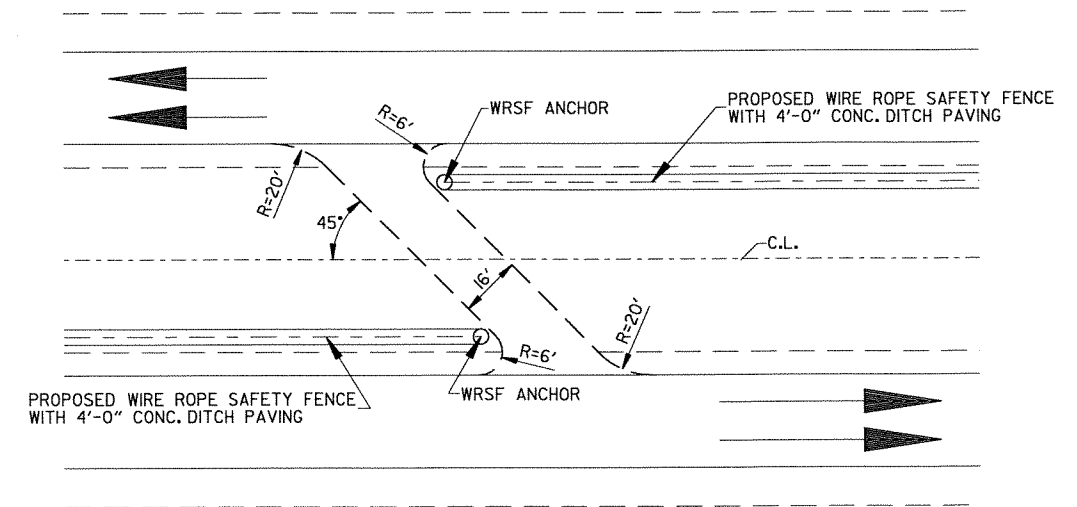
WRSF AND EXIST. GUARDRAIL ON SAME SIDE OF MEDIAN

WRSF AND EXIST. GUARDRAIL ON OPPOSITE SIDES OF MEDIAN

DETAIL OF WIRE ROPE SAFETY FENCE AT EXISTING BRIDGE ENDS



SOLID SODDING DETAIL



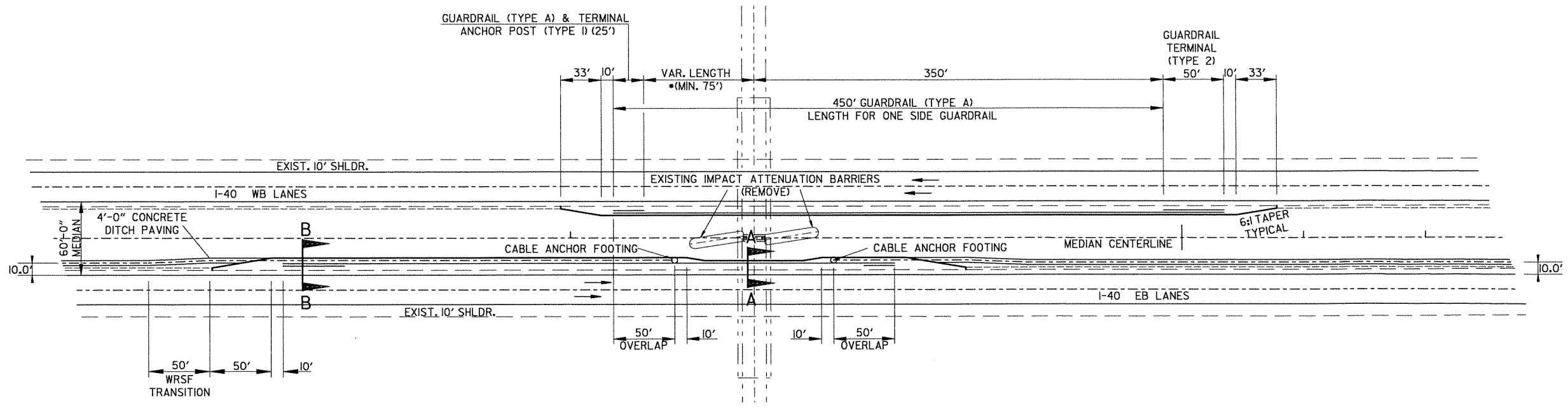
DETAIL OF PAVED MEDIAN CROSSING

NOTE:
 MEDIAN CROSSING TO BE CONSTRUCTED OF AGGREGATE BASE COURSE (CLASS 7)- 7" COMPACTED DETPH & ACHM SURFACE COURSE (1/2")- 220 LBS. PER SQ. YD.

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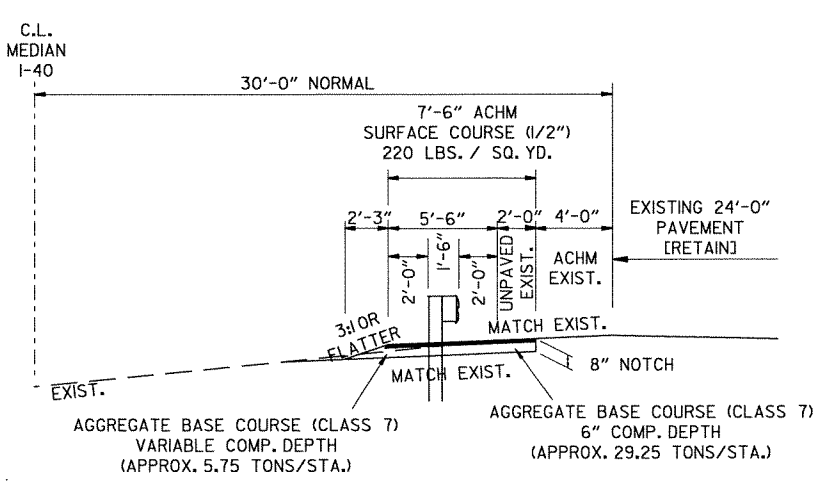
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2 SPECIAL DETAILS

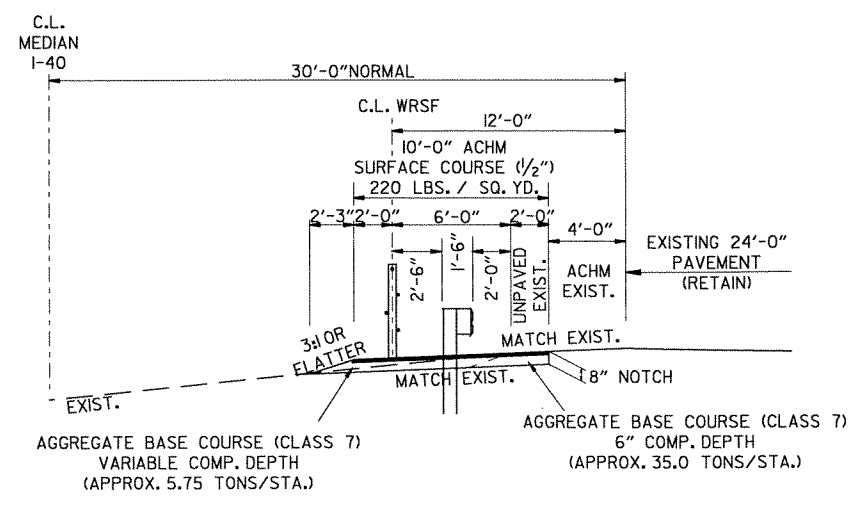


GUARDRAIL INSTALLATION IN 60' MEDIAN AT OVERPASSES

NOTE: REFER TO PLAN SHEETS FOR PLACEMENT OF WIRE ROPE SAFETY FENCE ON EASTBOUND OR WESTBOUND FORESLOPES.



SECTION A-A

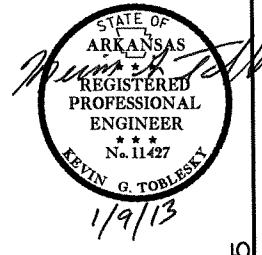


SECTION B-B

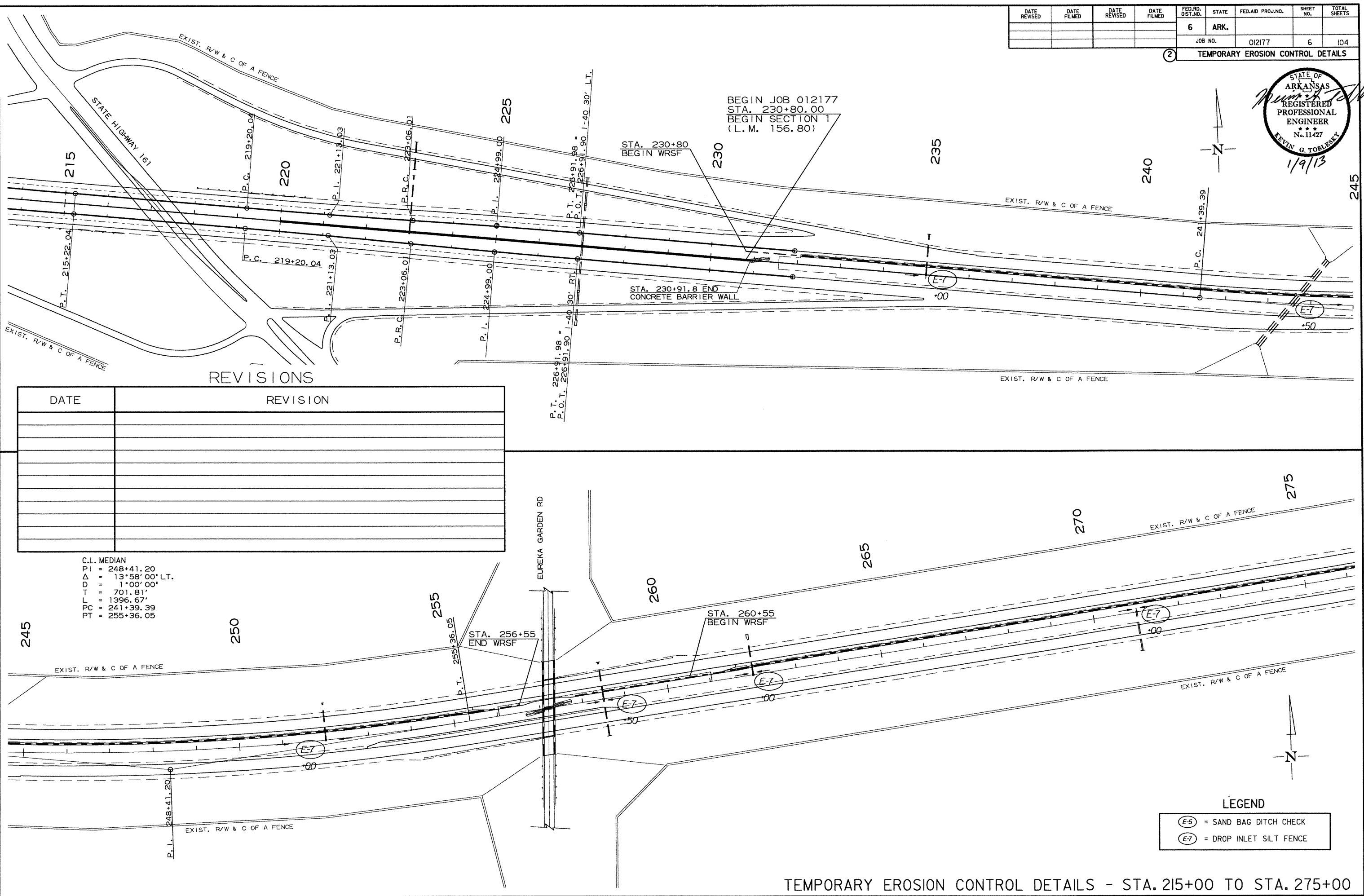
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							JOB NO. 012177	6
							104	

2 TEMPORARY EROSION CONTROL DETAILS



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REVISIONS

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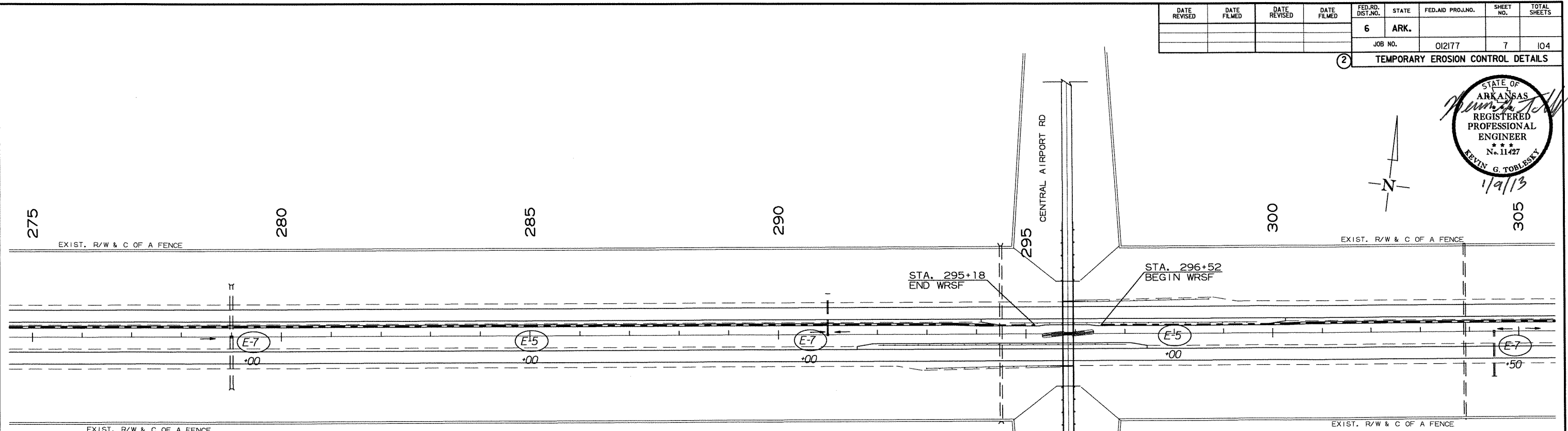
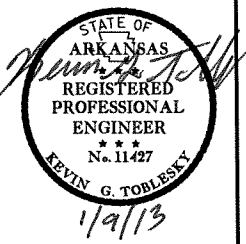
C.L. MEDIAN
 PI = 248+41.20
 Δ = 13°58'00" LT.
 D = 1°00'00"
 T = 701.81'
 L = 1396.67'
 PC = 241+39.39
 PT = 255+36.05

LEGEND

	= SAND BAG DITCH CHECK
	= DROP INLET SILT FENCE

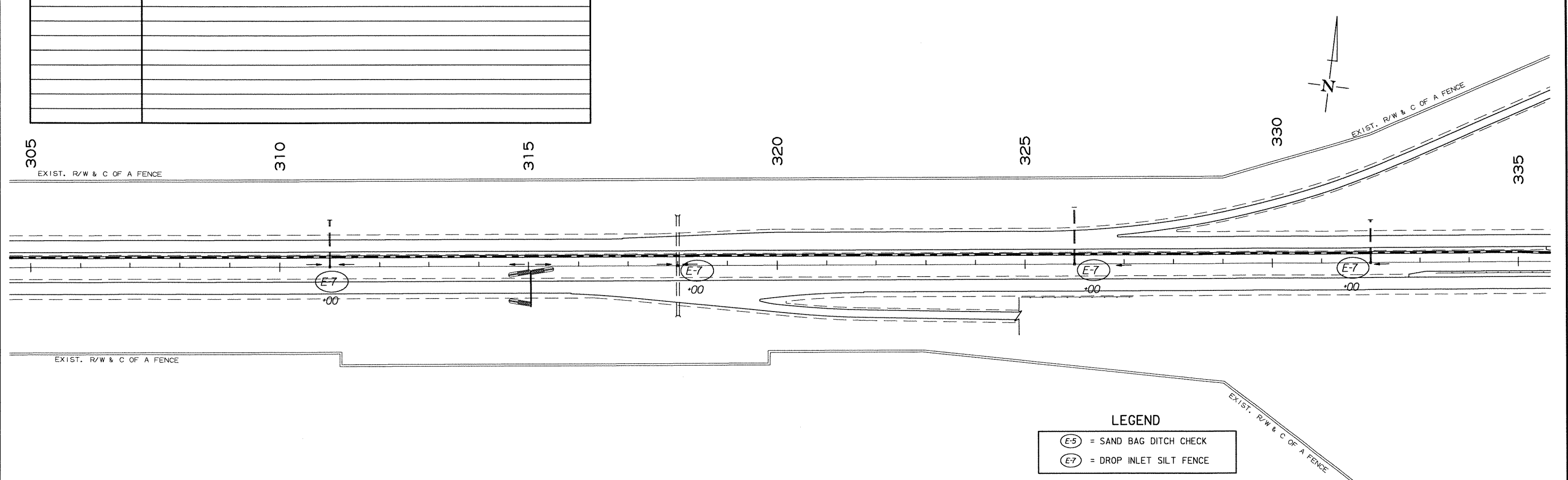
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② TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION



LEGEND

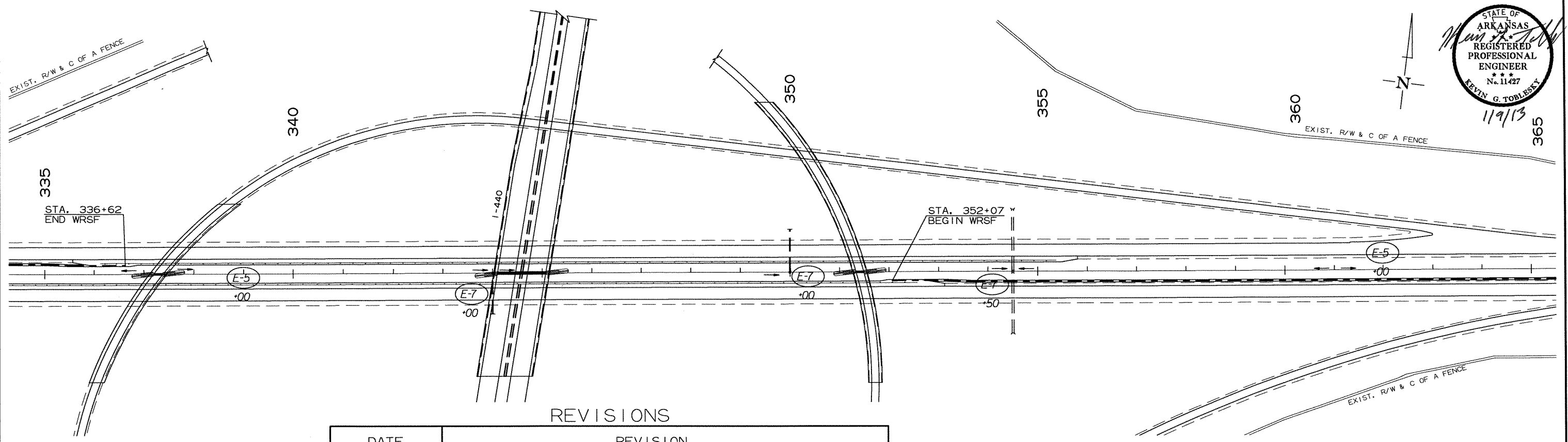
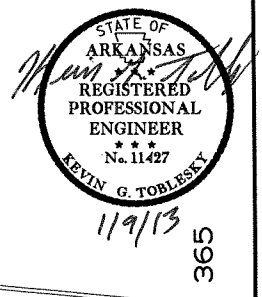
(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 275+00 TO STA. 335+00

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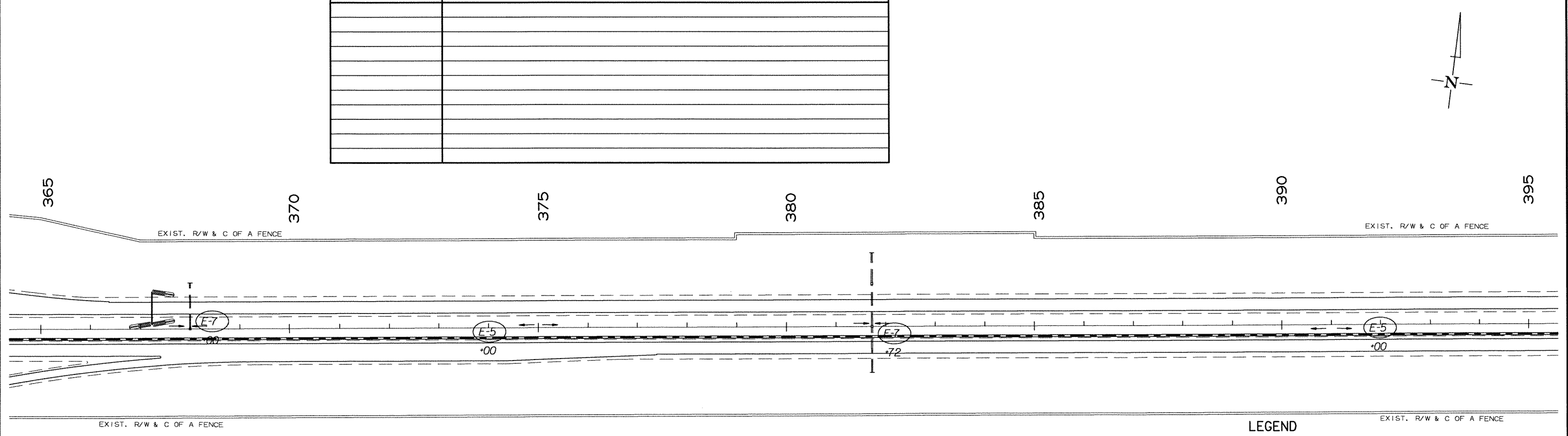
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② TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION



LEGEND

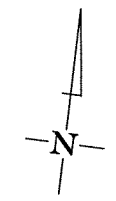
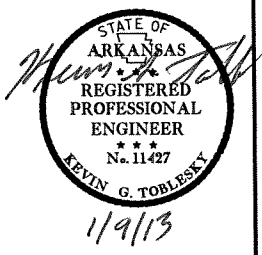
	= SAND BAG DITCH CHECK
	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 335+00 TO STA. 395+00

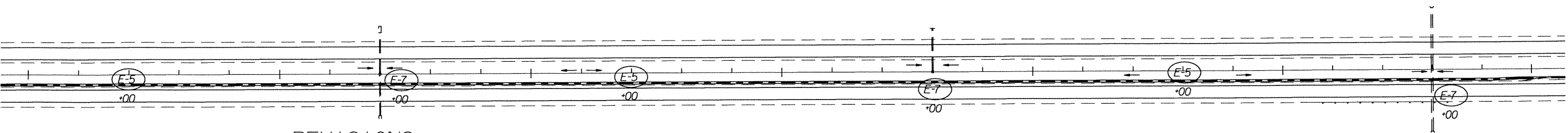
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② TEMPORARY EROSION CONTROL DETAILS



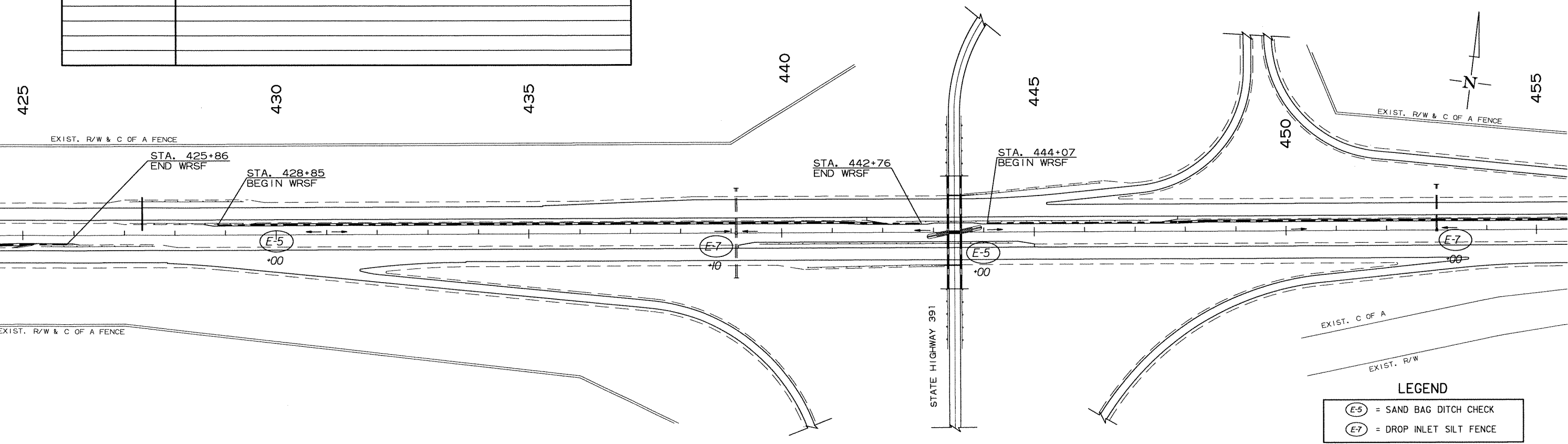
395 400 405 410 415 420 425
 EXIST. R/W & C OF A FENCE



REVISIONS

DATE	REVISION

EXIST. R/W & C OF A FENCE



LEGEND

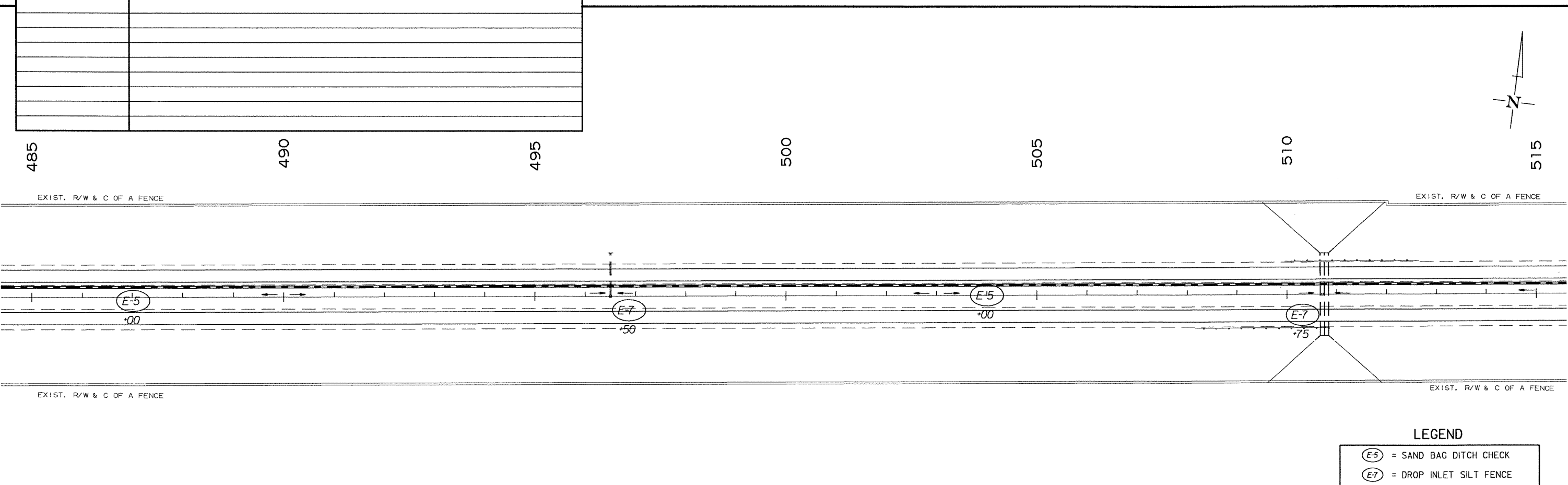
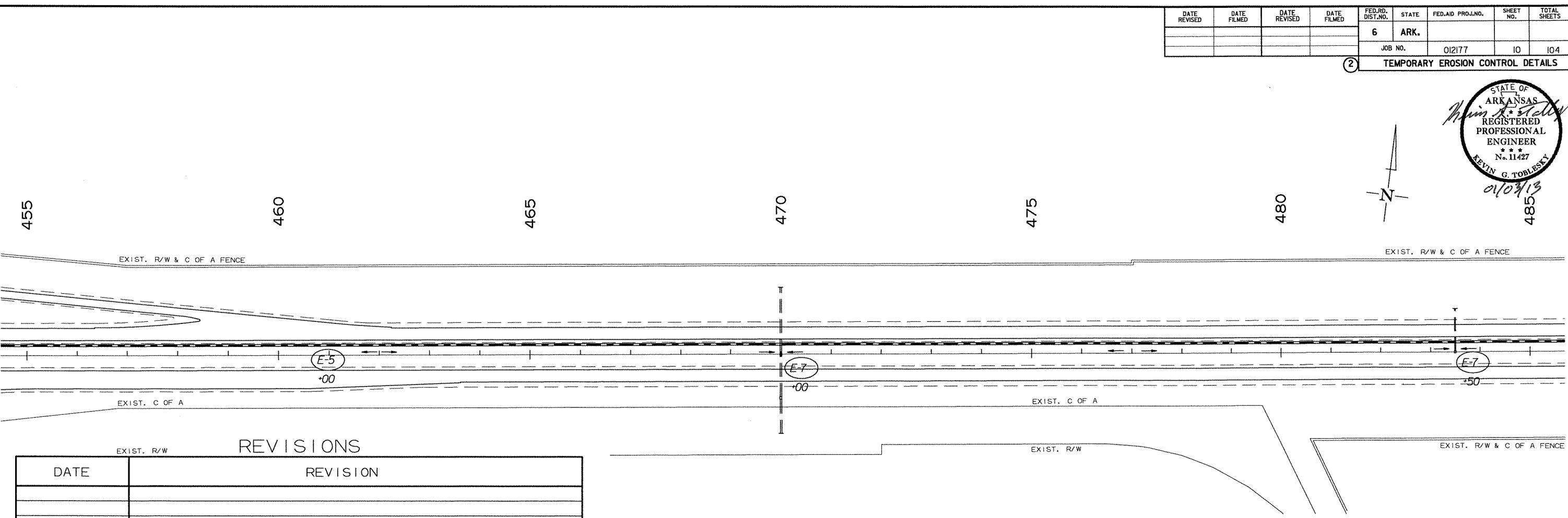
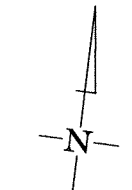
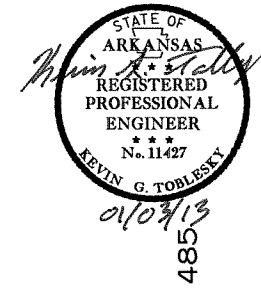
(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 395+00 TO STA. 455+00

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② TEMPORARY EROSION CONTROL DETAILS



REVISIONS	
DATE	REVISION

LEGEND

	= SAND BAG DITCH CHECK
	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 455+00 TO STA. 515+00

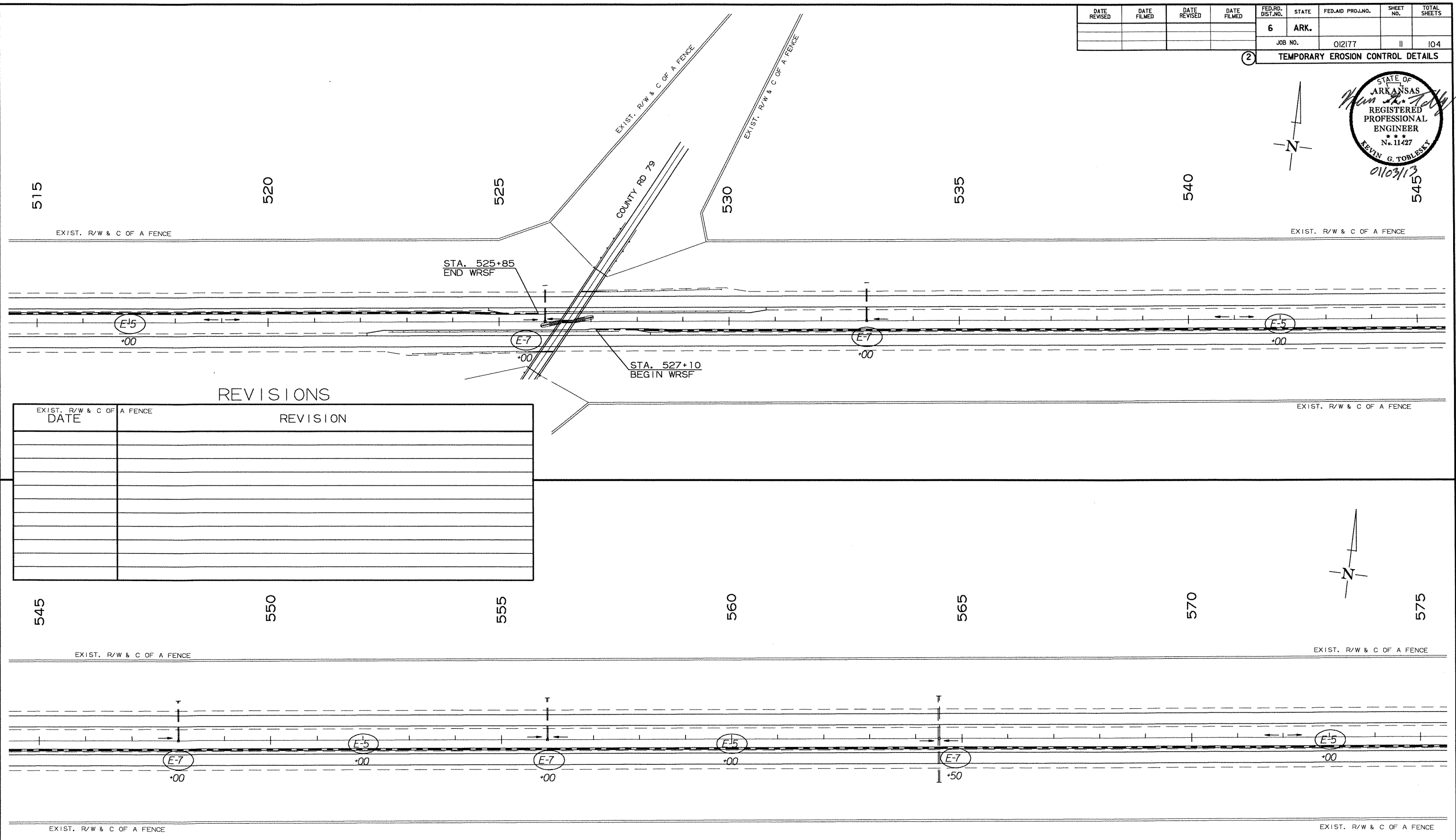
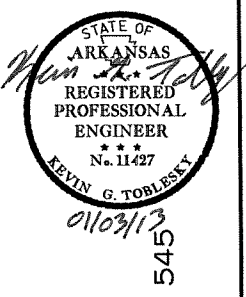


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				6	ARK.			
				JOB NO.	012177		II	104

② TEMPORARY EROSION CONTROL DETAILS



REVISIONS

EXIST. R/W & C OF A FENCE	DATE	REVISION

LEGEND

	= SAND BAG DITCH CHECK
	= DROP INLET SILT FENCE

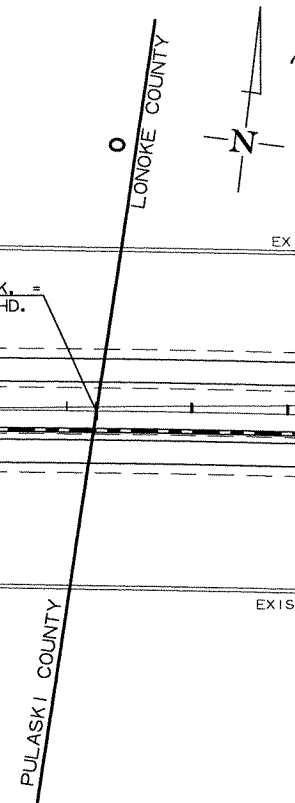
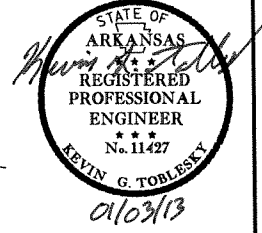
TEMPORARY EROSION CONTROL DETAILS - STA. 515+00 TO STA. 575+00



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		12	104
				JOB NO.		012177		

② TEMPORARY EROSION CONTROL DETAILS

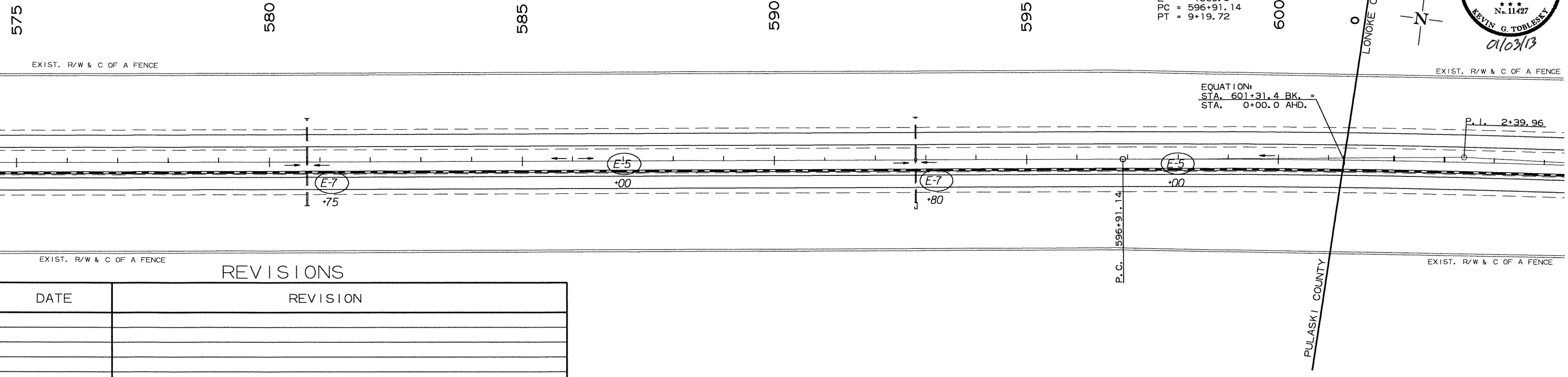
C.L. MEDIAN
 PI = 2+39.96
 Δ = 3°24'00" RT.
 D = 00°15'00"
 T = 680.24'
 L = 1360.0'
 PC = 596+91.14
 PT = 9+19.72



EQUATION:
 STA. 601+31.4 BK. =
 STA. 0+00.0 AHD.

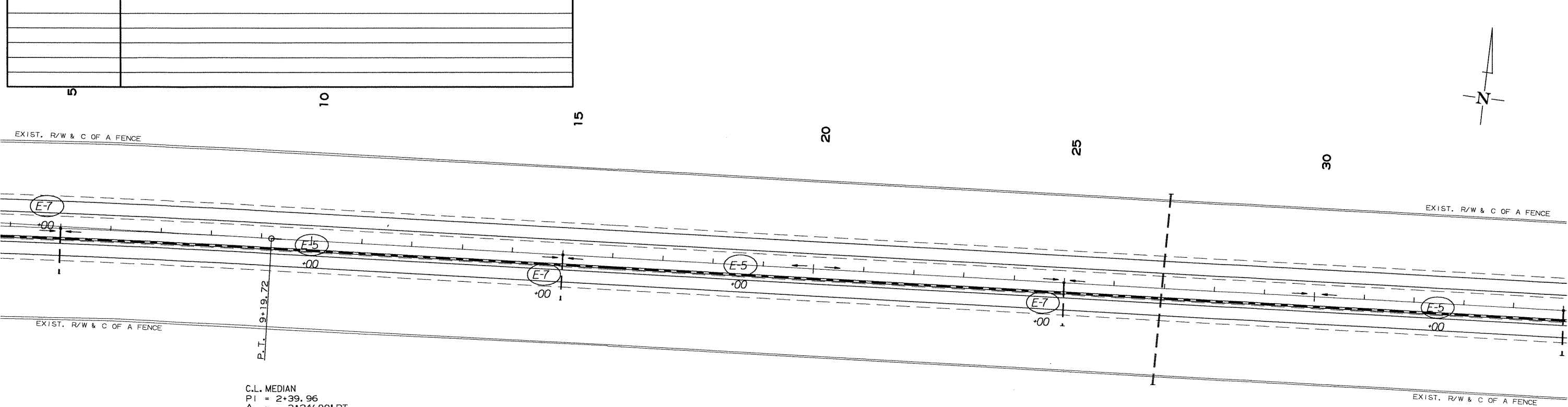
P.I. 2+39.96

P.C. 596+91.14



REVISIONS

DATE	REVISION



C.L. MEDIAN
 PI = 2+39.96
 Δ = 3°24'00" RT.
 D = 00°15'00"
 T = 680.24'
 L = 1360.0'
 PC = 596+91.14
 PT = 9+19.72

LEGEND

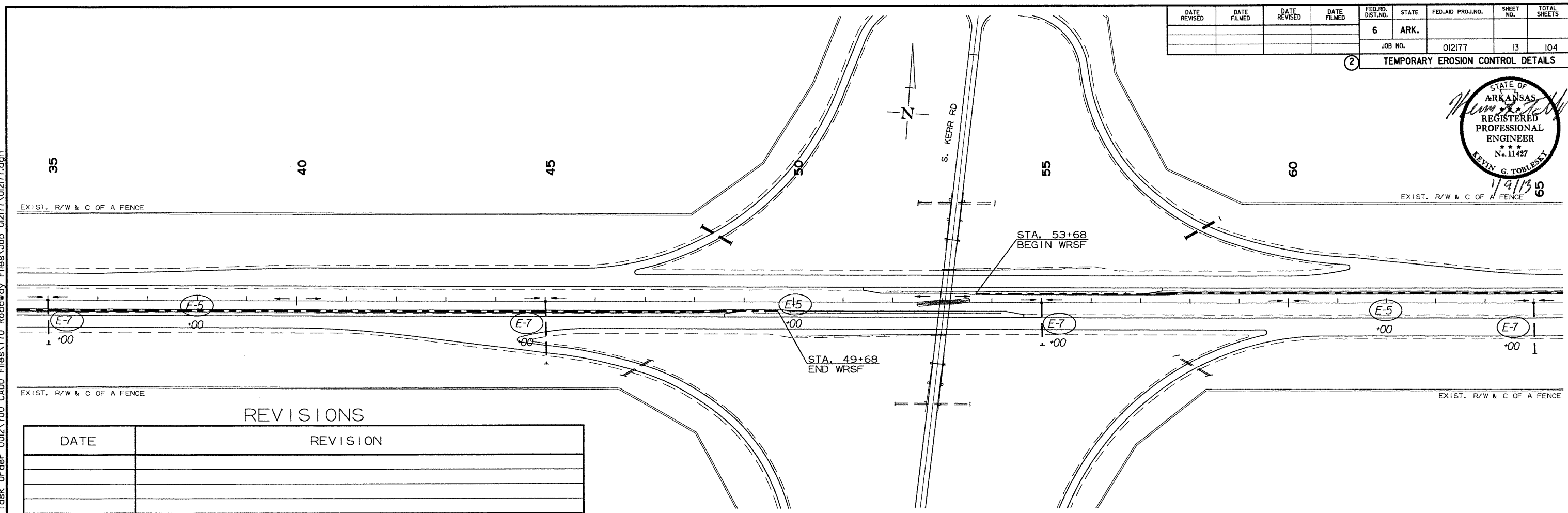
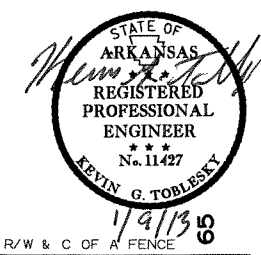
(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 575+00 TO STA. 35+00

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JOB NO.						012177	13	104

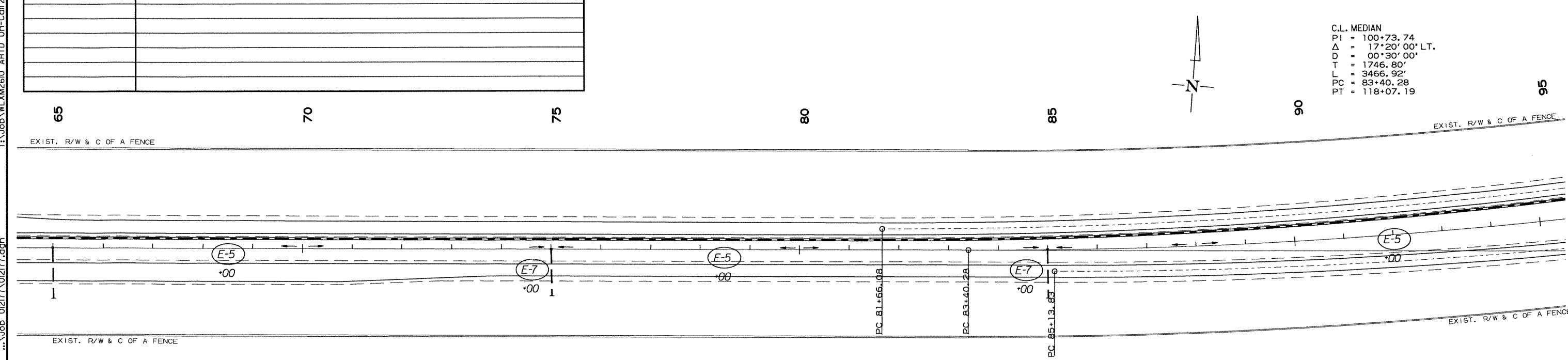
2 TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION

C.L. MEDIAN
 PI = 100+73.74
 $\Delta = 17^{\circ}20'00''$ LT.
 D = 00+30'00"
 T = 1746.80'
 L = 3466.92'
 PC = 83+40.28
 PT = 118+07.19



LEGEND

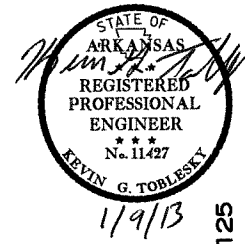
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(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 35+00 TO STA. 95+00

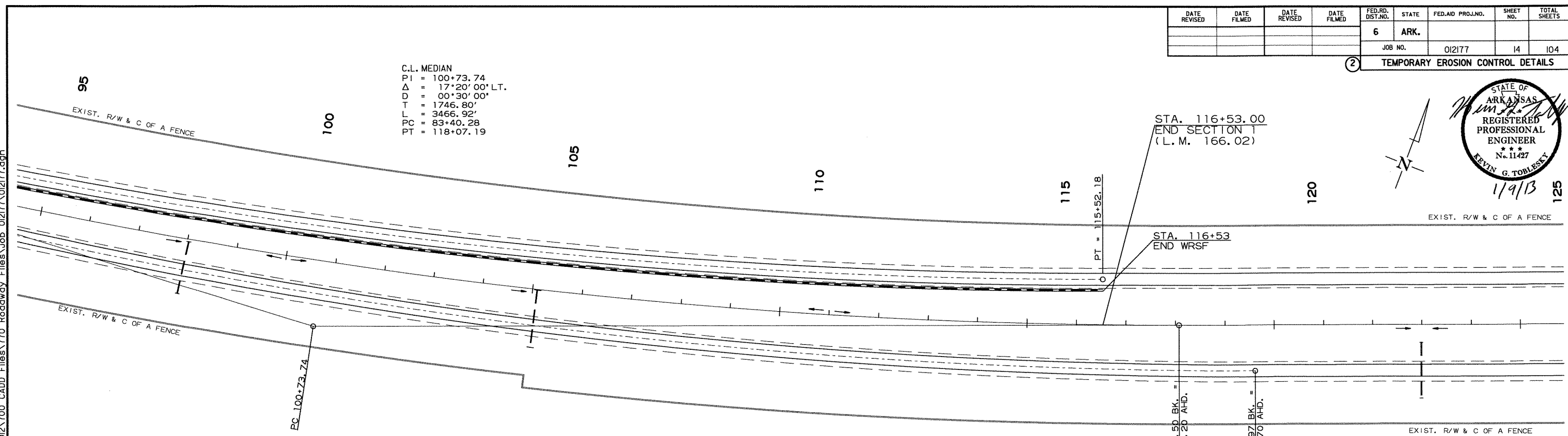
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				6	ARK.			

② TEMPORARY EROSION CONTROL DETAILS



C.L. MEDIAN
 PI = 100+73.74
 Δ = 17°20'00" LT.
 D = 00°30'00"
 T = 1746.80'
 L = 3466.92'
 PC = 83+40.28
 PT = 118+07.19



REVISIONS

DATE	REVISION

LEGEND

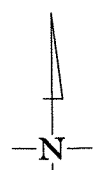
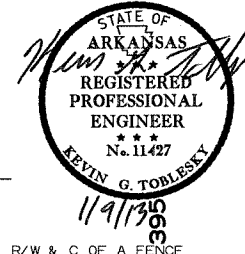
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(E-7)	= DROP INLET SILT FENCE

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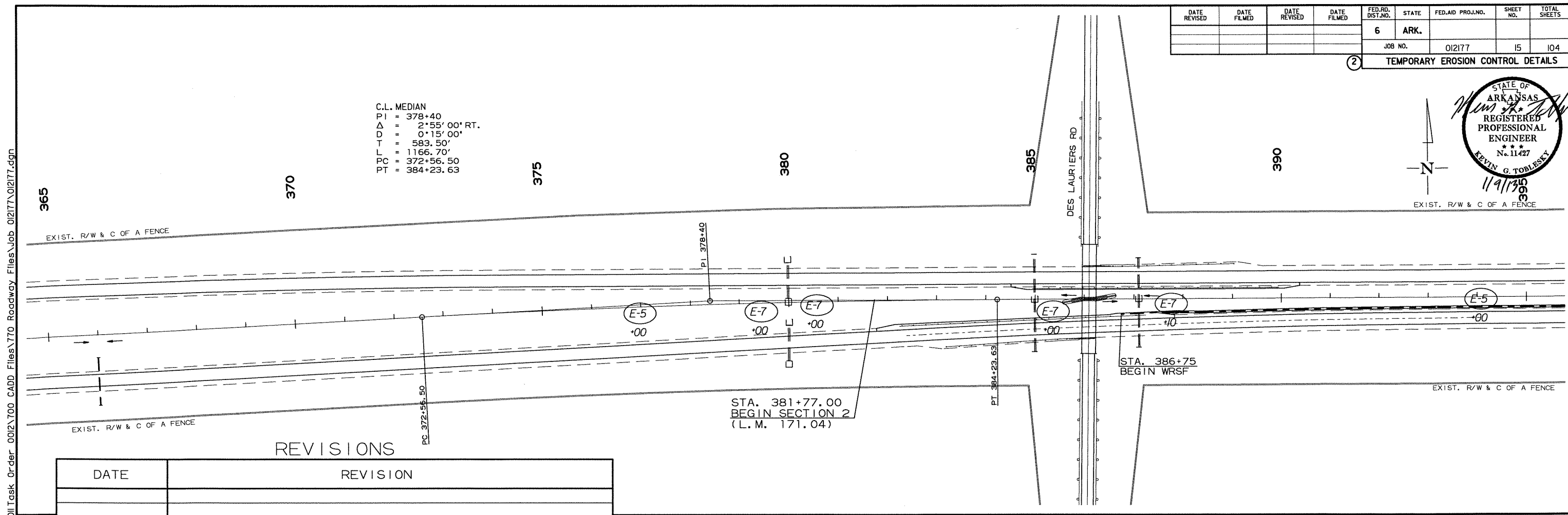
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				6	ARK.			
				JOB NO.	012177		15	104

2 TEMPORARY EROSION CONTROL DETAILS

C.L. MEDIAN
 PI = 378+40
 Δ = 2°55'00" RT.
 D = 0°15'00"
 T = 583.50'
 L = 1166.70'
 PC = 372+56.50
 PT = 384+23.63

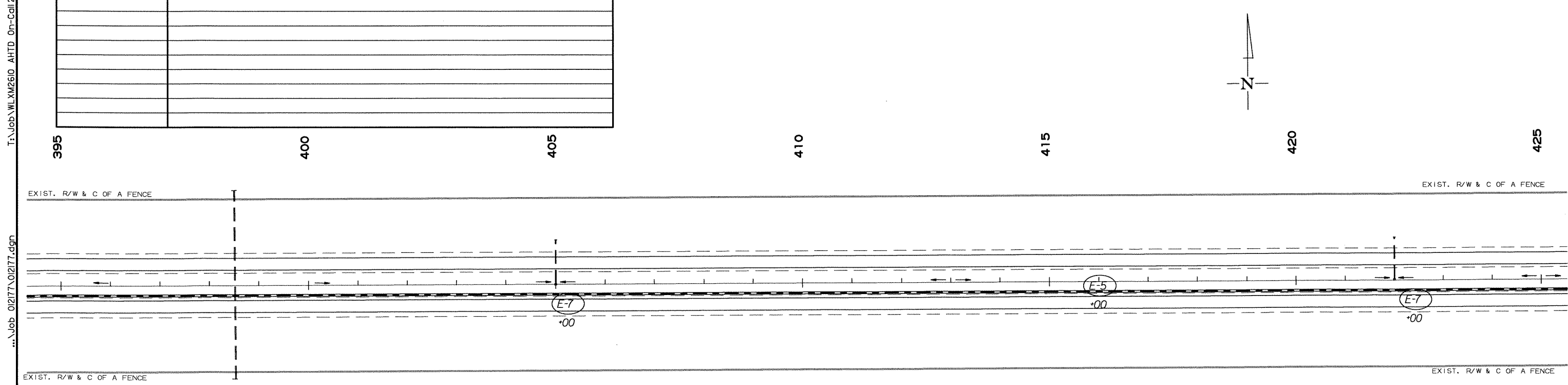
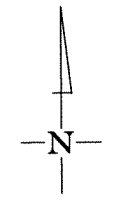


EXIST. R/W & C OF A FENCE



REVISIONS

DATE	REVISION



LEGEND

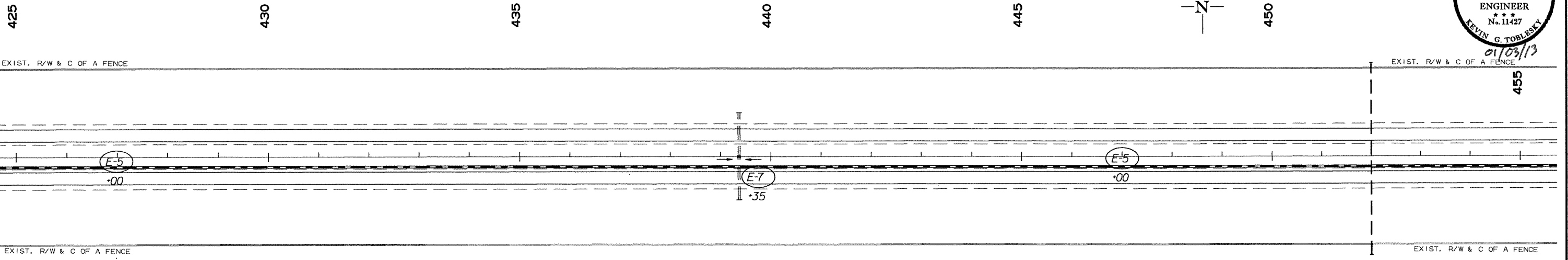
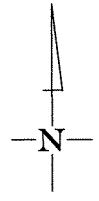
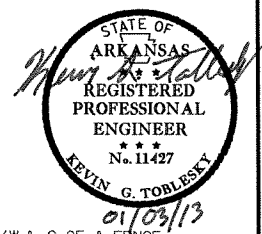
- (E-5) = SAND BAG DITCH CHECK
- (E-7) = DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 365+00 TO STA. 425+00

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				JOB NO.	012177	16	104	

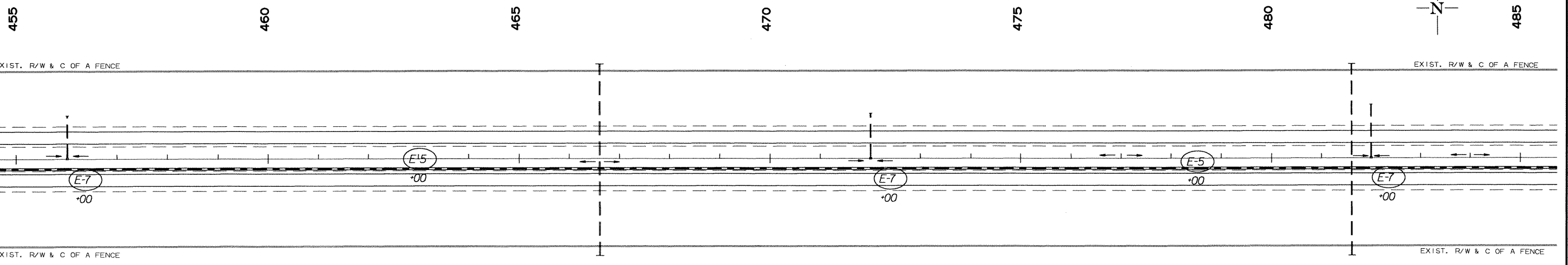
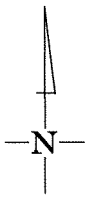
② TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION

STA. 481+60
18' X 380' CMP SIPHON
RETAIN



LEGEND

- (E-5) = SAND BAG DITCH CHECK
- (E-7) = DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 425+00 TO STA. 485+00

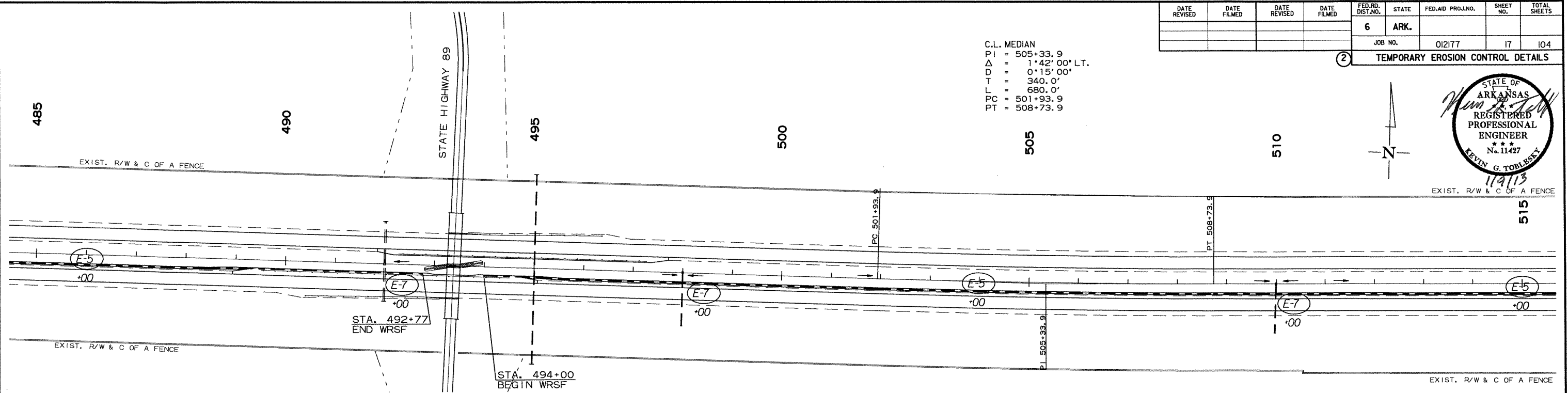
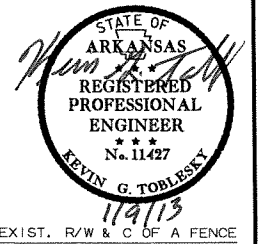
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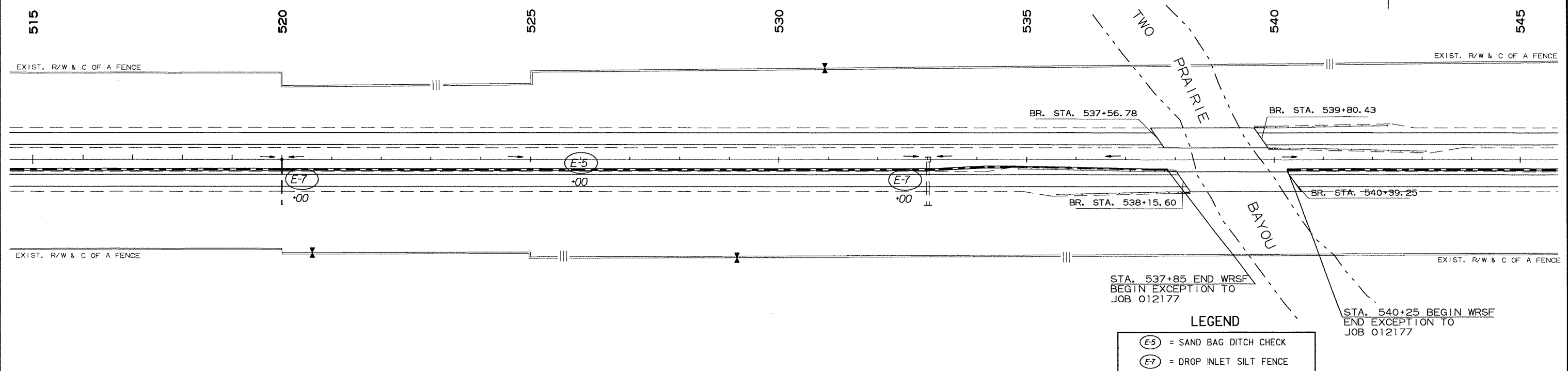
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 PI = 505+33.9
 Δ = 1°42'00" LT.
 D = 0°15'00"
 T = 340.0'
 L = 680.0'
 PC = 501+93.9
 PT = 508+73.9

TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION



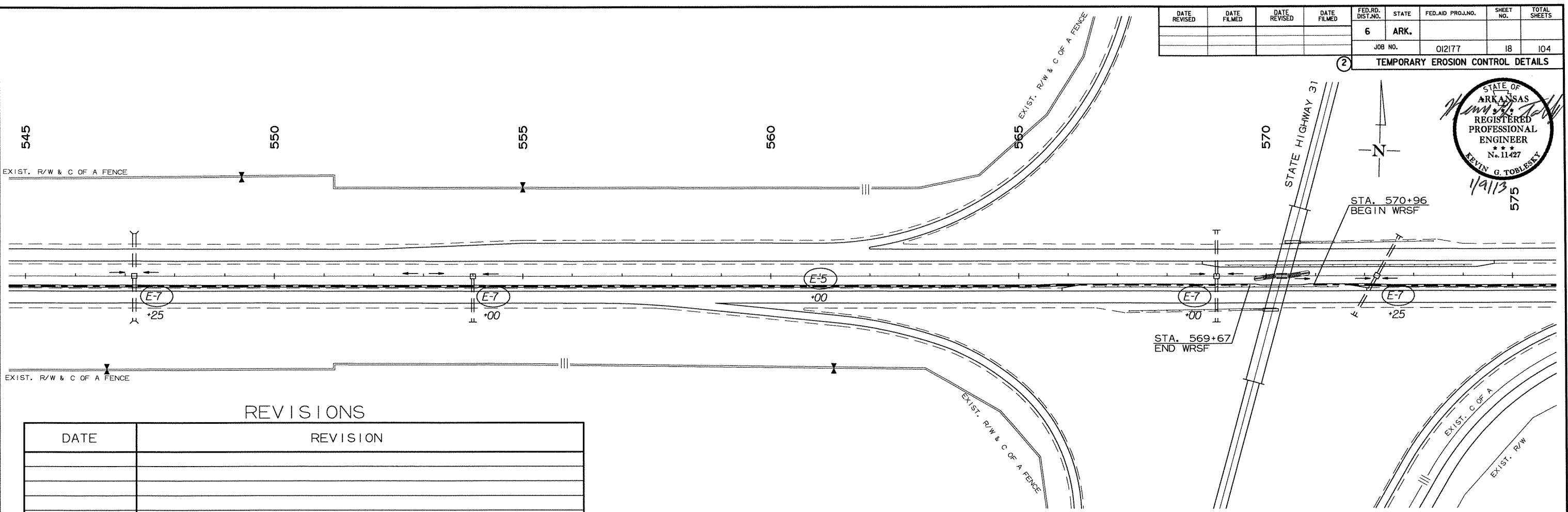
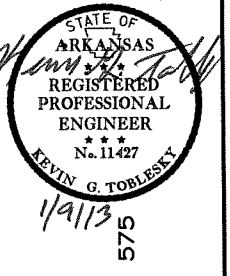
LEGEND

(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 485+00 TO STA. 545+00

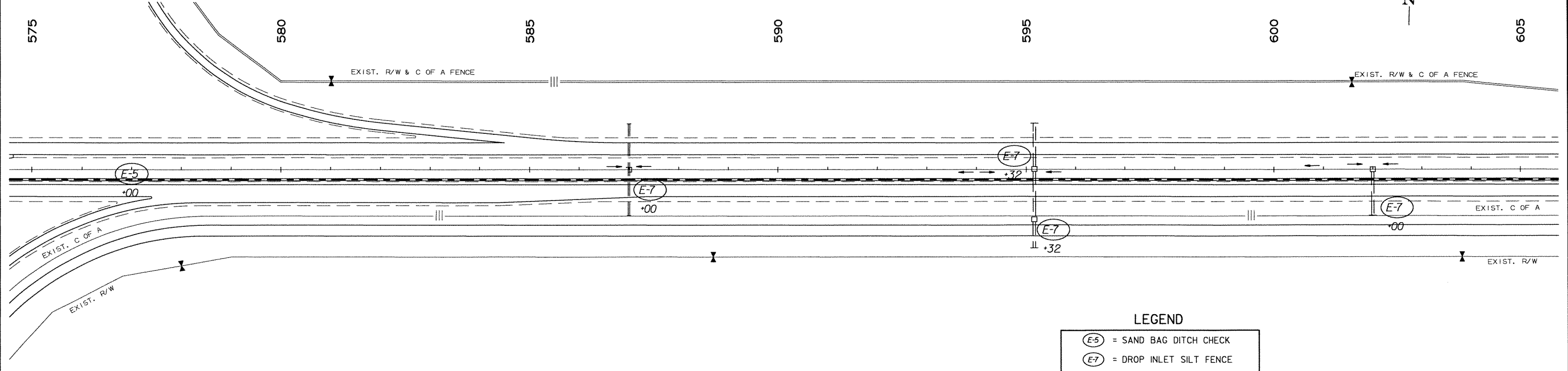
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				JOB NO.	012177		18	104

2 TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION



LEGEND

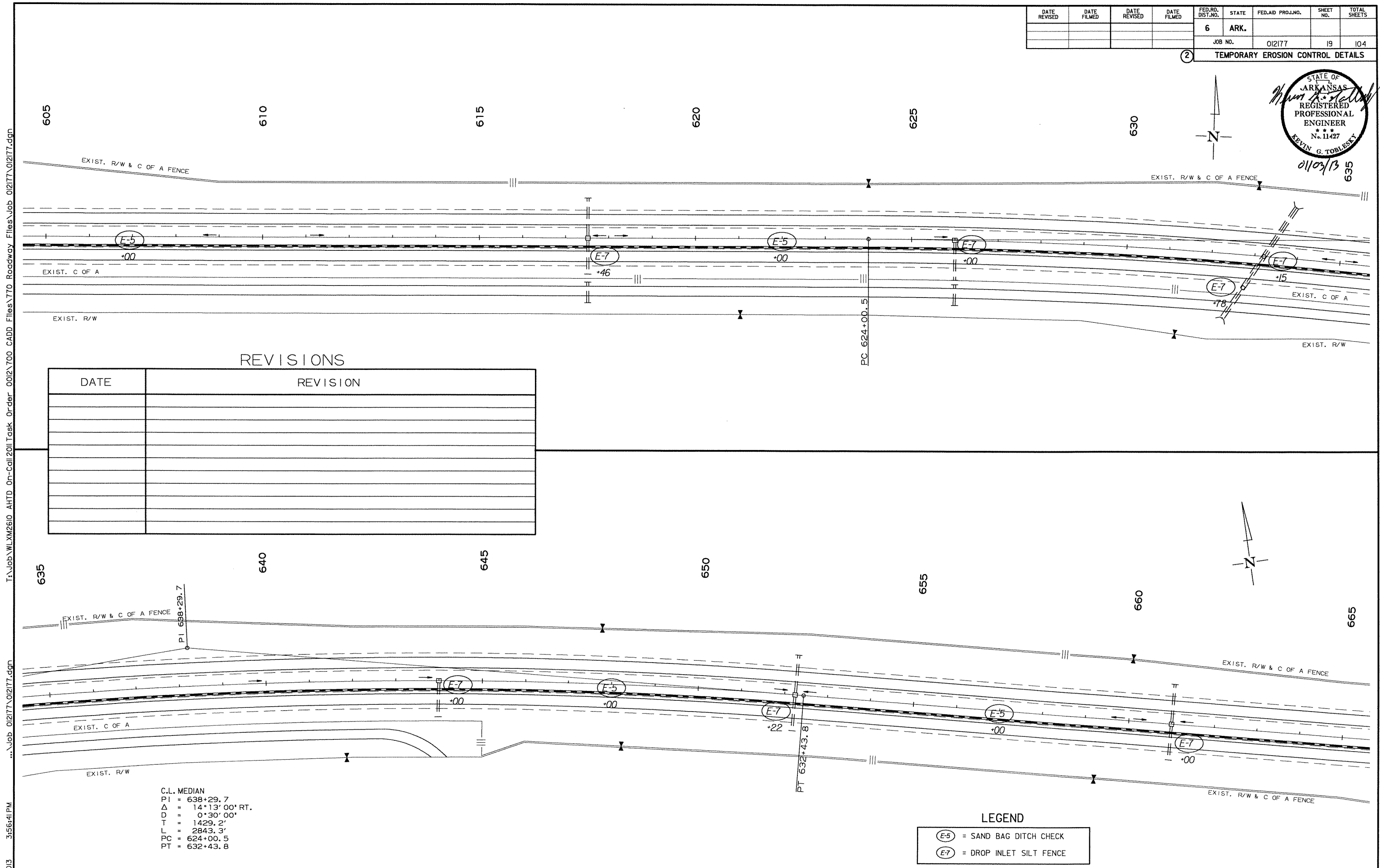
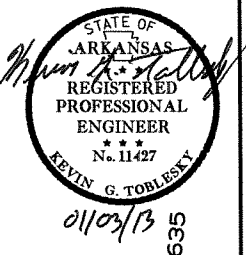
(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 545+00 TO STA. 605+00

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				6	ARK.			
							JOB NO.	104
							012177	19

2 TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION

C.L. MEDIAN
 PI = 638+29.7
 Δ = 14°13'00" RT.
 D = 0°30'00"
 T = 1429.2'
 L = 2843.3'
 PC = 624+00.5
 PT = 632+43.8

LEGEND

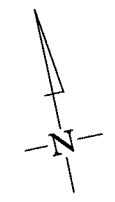
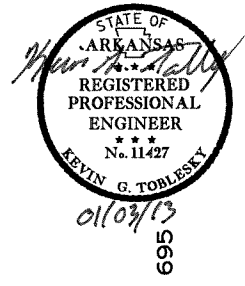
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(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 605+00 TO STA. 665+00

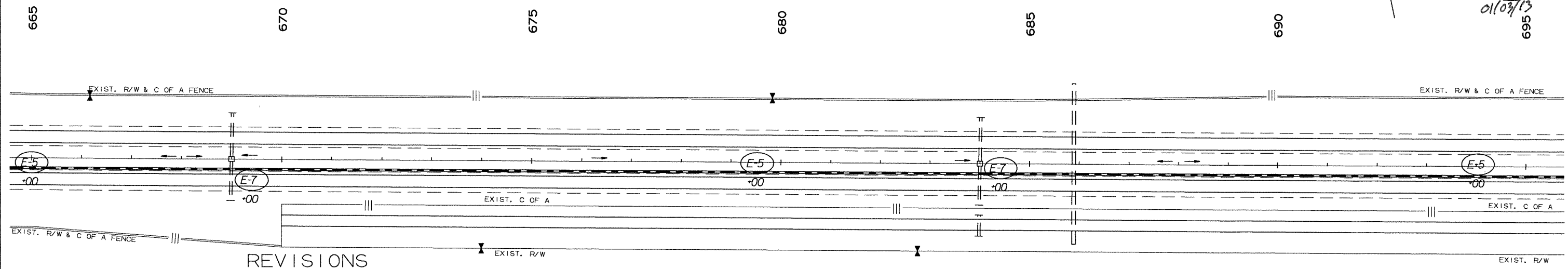
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				JOB NO.		012177	20	104

② TEMPORARY EROSION CONTROL DETAILS



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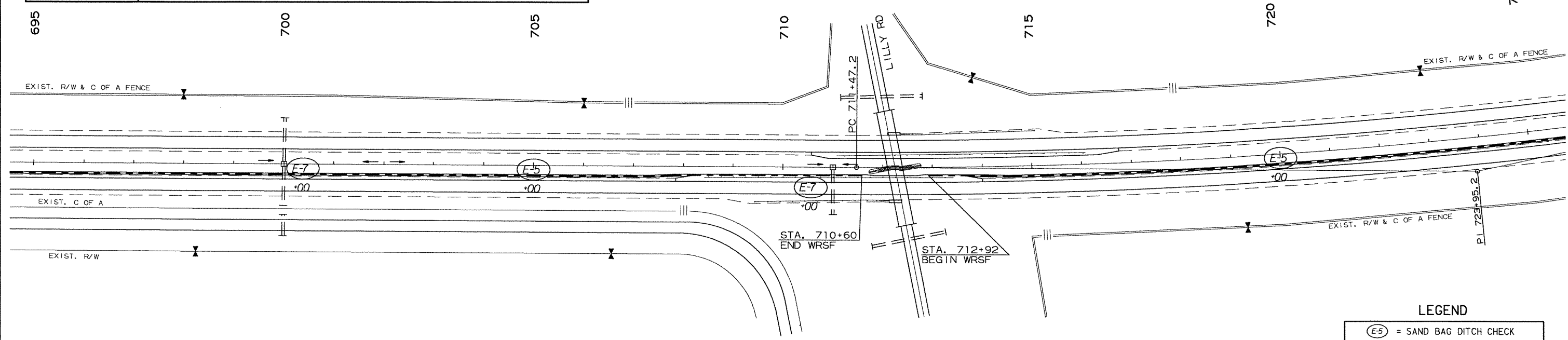


REVISIONS

DATE	REVISION



C.L. MEDIAN
 PI = 723+95.2
 Δ = 12°25'50" LT.
 D = 0°30'00"
 T = 1248.0'
 L = 2486.1'
 PC = 711+47.2
 PT = 736+33.3



LEGEND

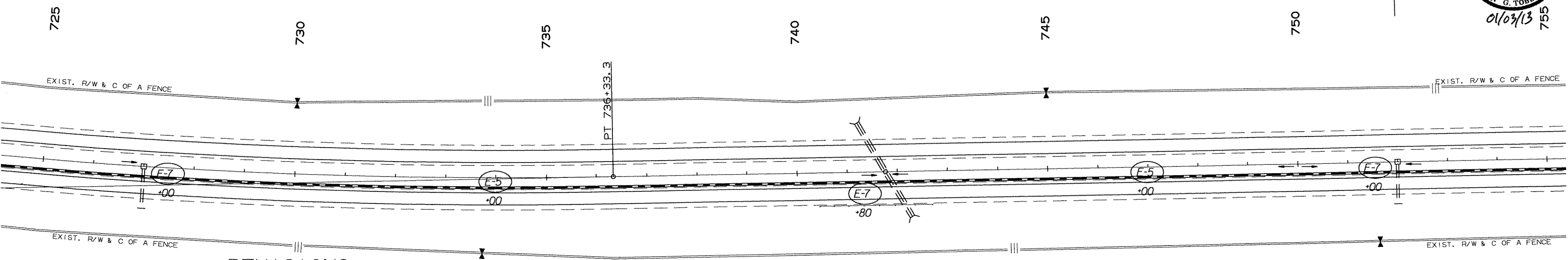
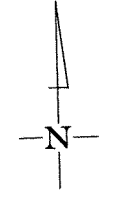
(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 665+00 TO STA. 725+00

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				JOB NO.	012177		21	104

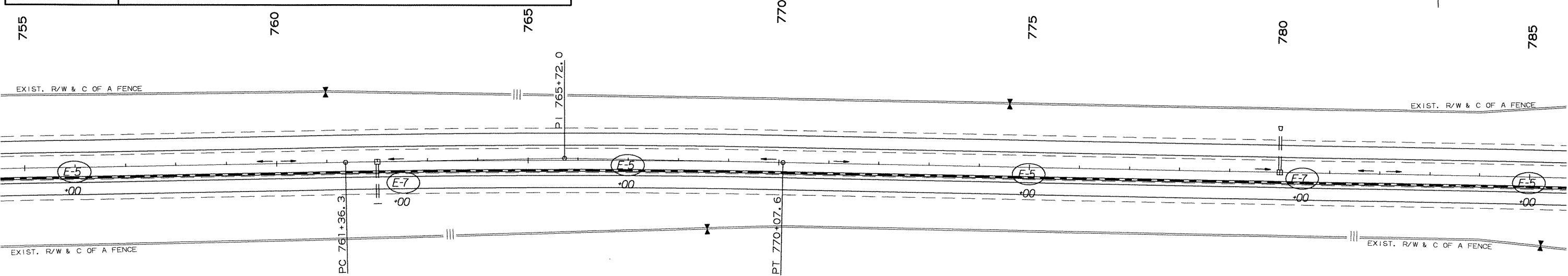
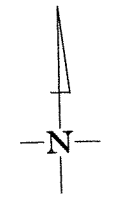
② TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION

C.L. MEDIAN
 PI = 765+72.0
 Δ = 2°10'42" RT.
 D = 0°15'00"
 T = 435.7'
 L = 871.3'
 PC = 761+36.3
 PT = 770+07.6



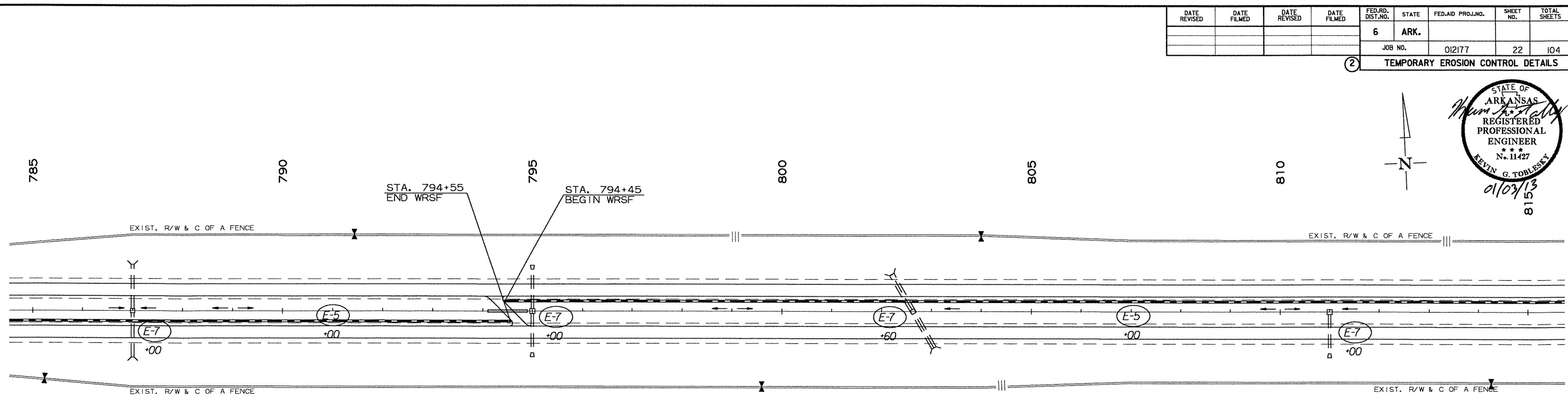
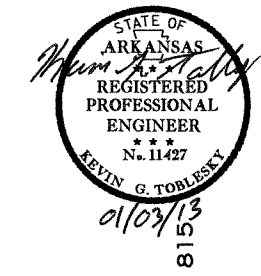
LEGEND

	= SAND BAG DITCH CHECK
	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 725+00 TO STA. 785+00

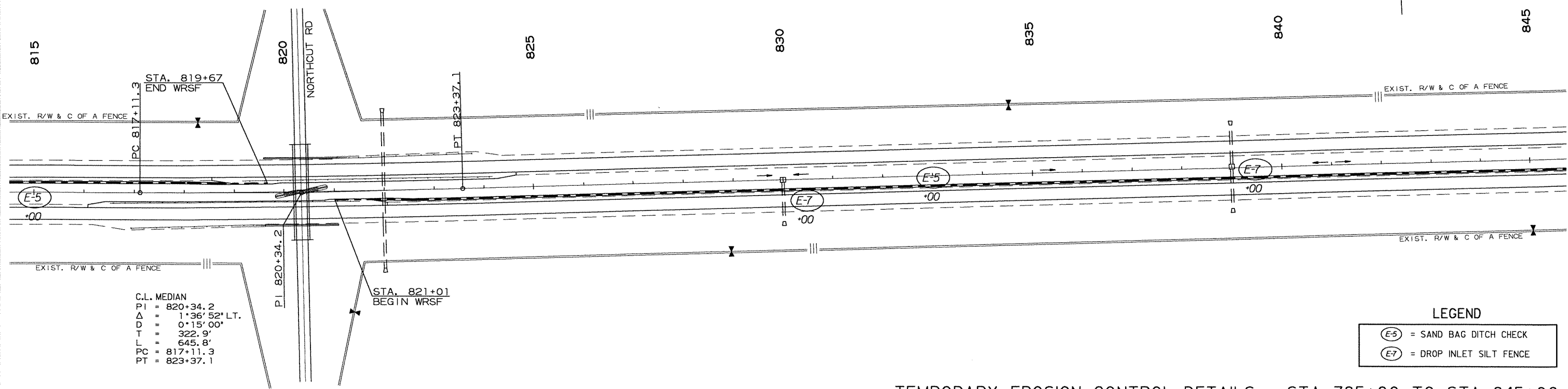
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				JOB NO.	012177		22	104

2 TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION



LEGEND

(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

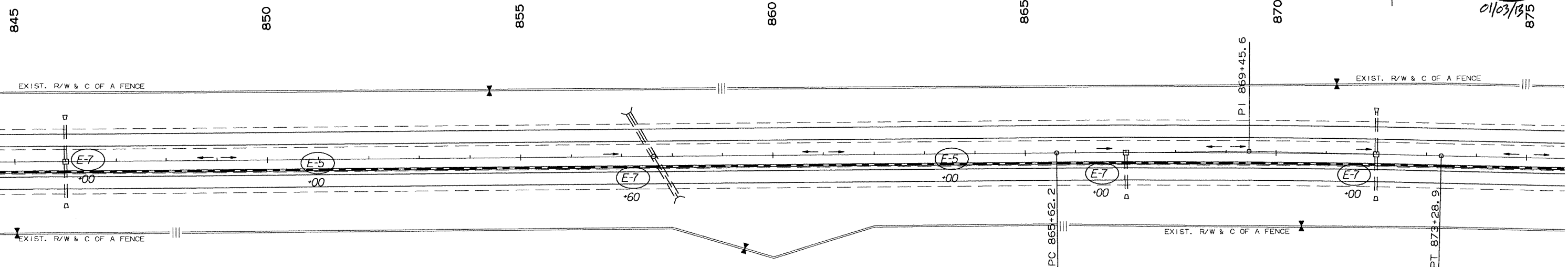
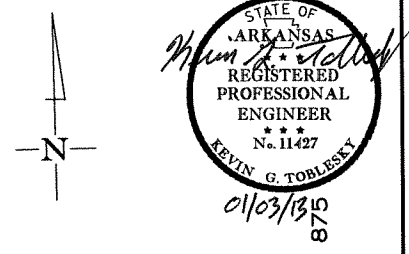
TEMPORARY EROSION CONTROL DETAILS - STA. 785+00 TO STA. 845+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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				JOB NO. 012177				

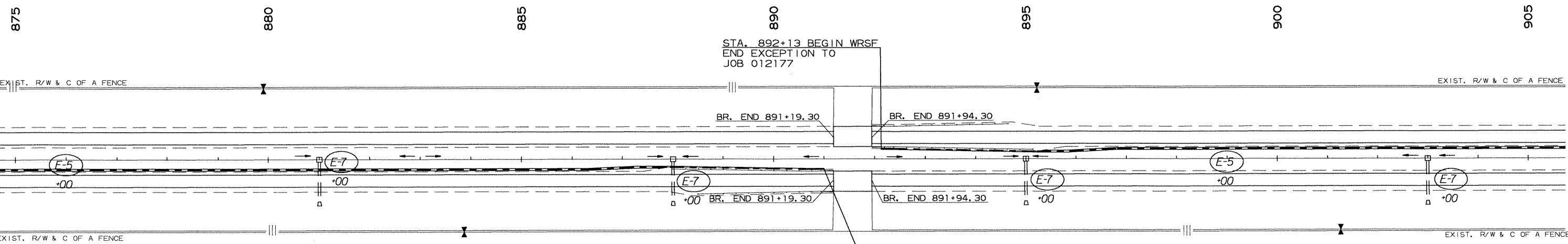
② TEMPORARY EROSION CONTROL DETAILS

C.L. MEDIAN
 PI = 869+45.6
 Δ = 0°55'00" RT.
 D = 0°15'00"
 T = 383.4'
 L = 766.7'
 PC = 865+62.2
 PT = 873+28.9



REVISIONS

DATE	REVISION



LEGEND

(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 845+00 TO STA. 905+00

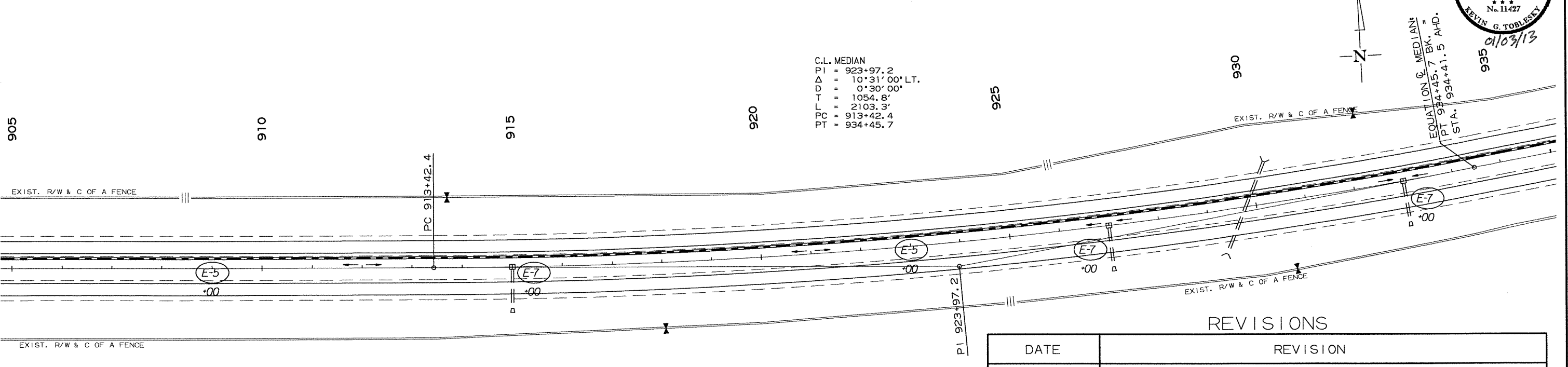
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						JOB NO.	012177	24
						TOTAL SHEETS		
						104		

② TEMPORARY EROSION CONTROL DETAILS

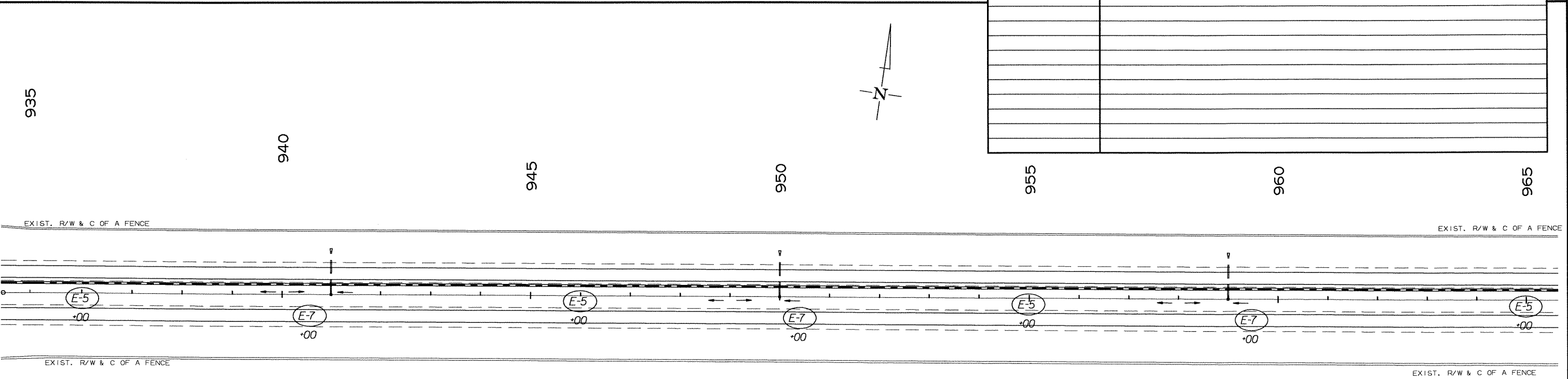


C.L. MEDIAN
 PI = 923+97.2
 Δ = 10°31'00" LT.
 D = 0°30'00"
 L = 1054.8'
 T = 2103.3'
 PC = 913+42.4
 PT = 934+45.7



REVISIONS

DATE	REVISION



LEGEND
 (E-5) = SAND BAG DITCH CHECK
 (E-7) = DROP INLET SILT FENCE

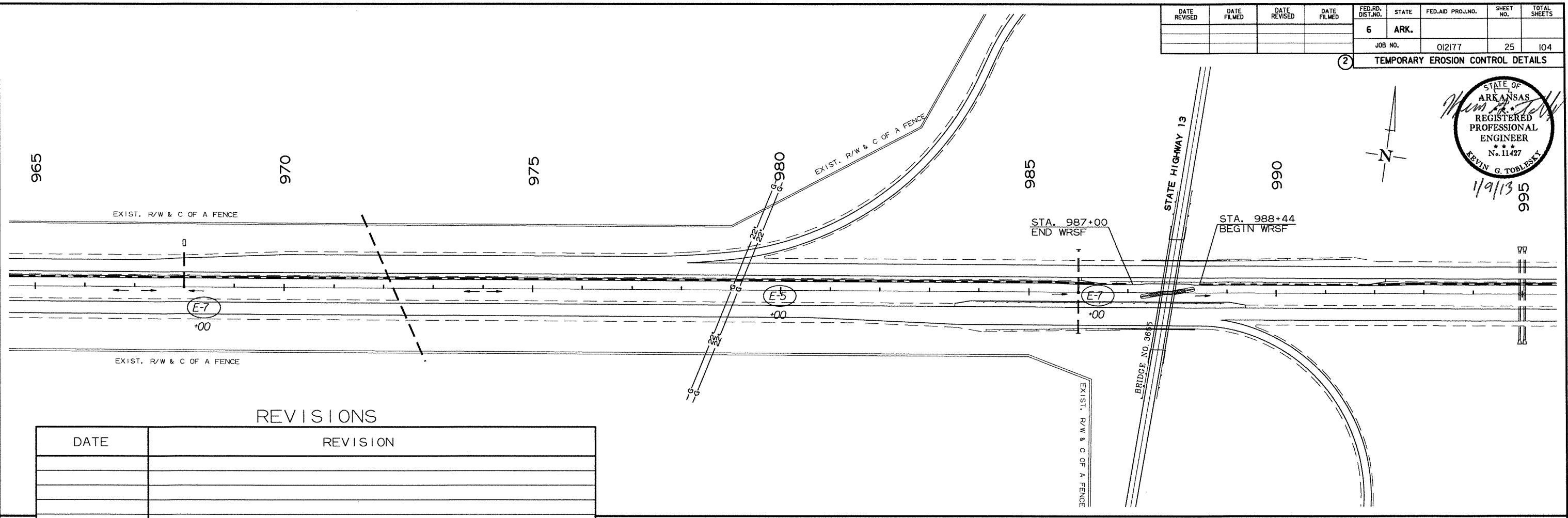
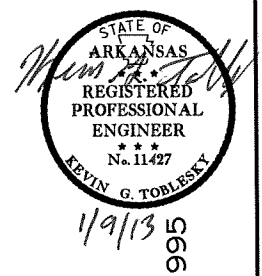
TEMPORARY EROSION CONTROL DETAILS - STA. 905+00 TO STA. 965+00

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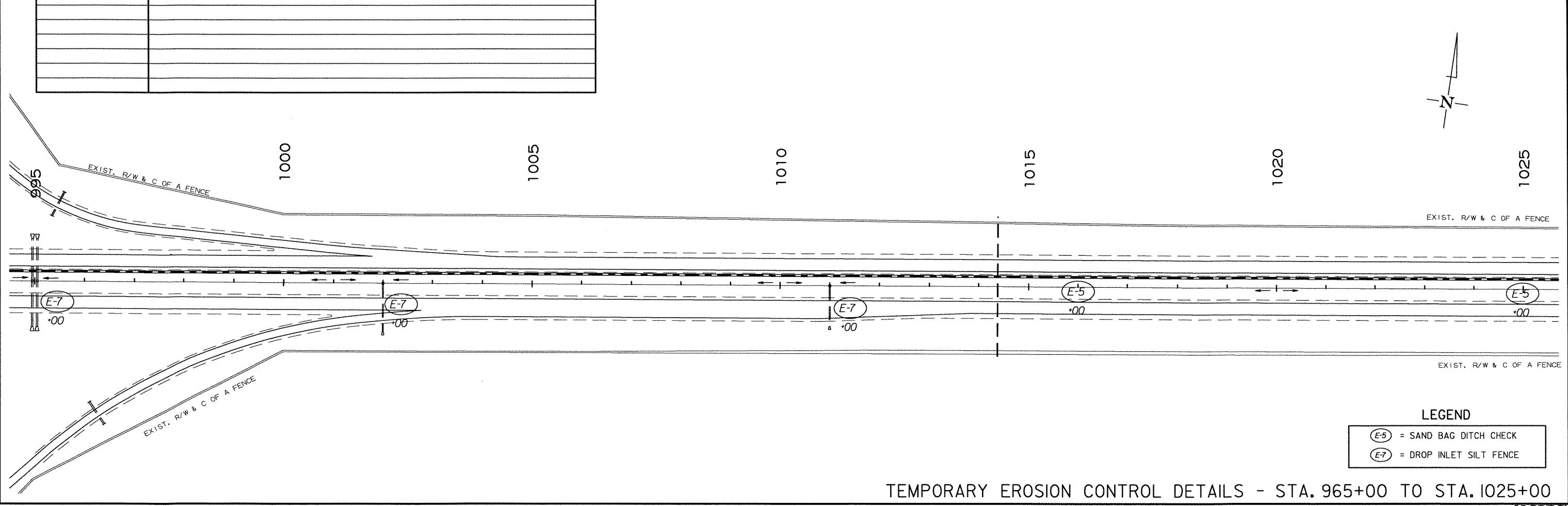
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				6	ARK.		25	104
				JOB NO. 012177				

2 TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION



LEGEND

(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 965+00 TO STA. 1025+00

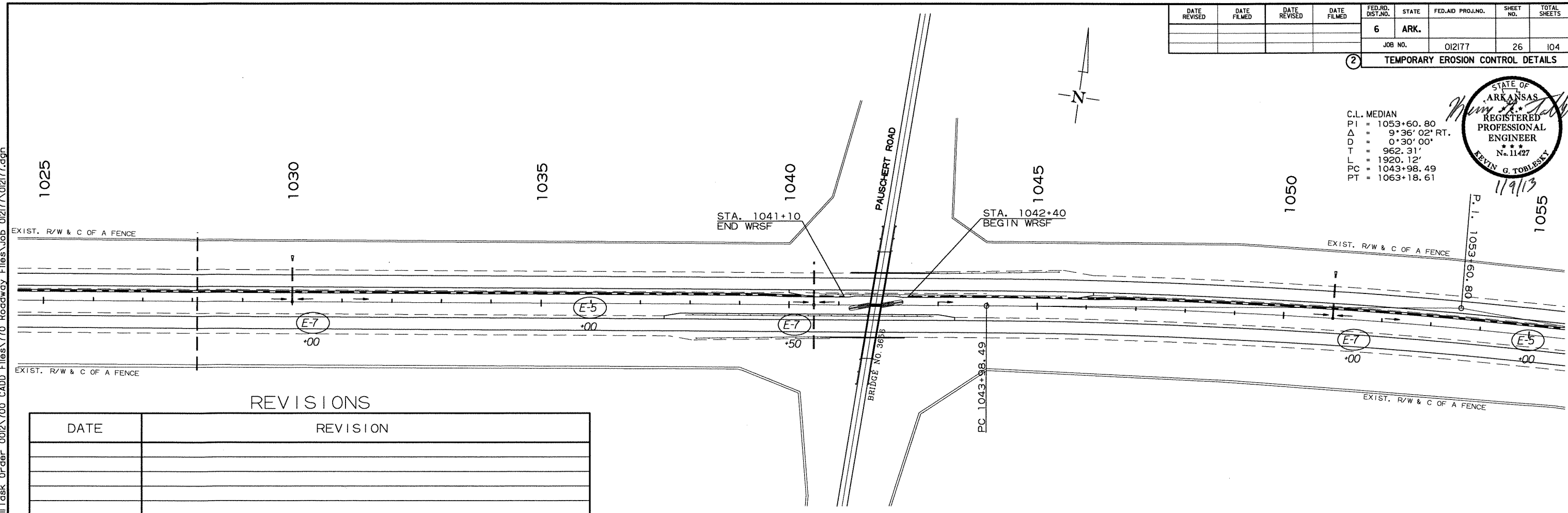


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				JOB NO.	012177		26	104

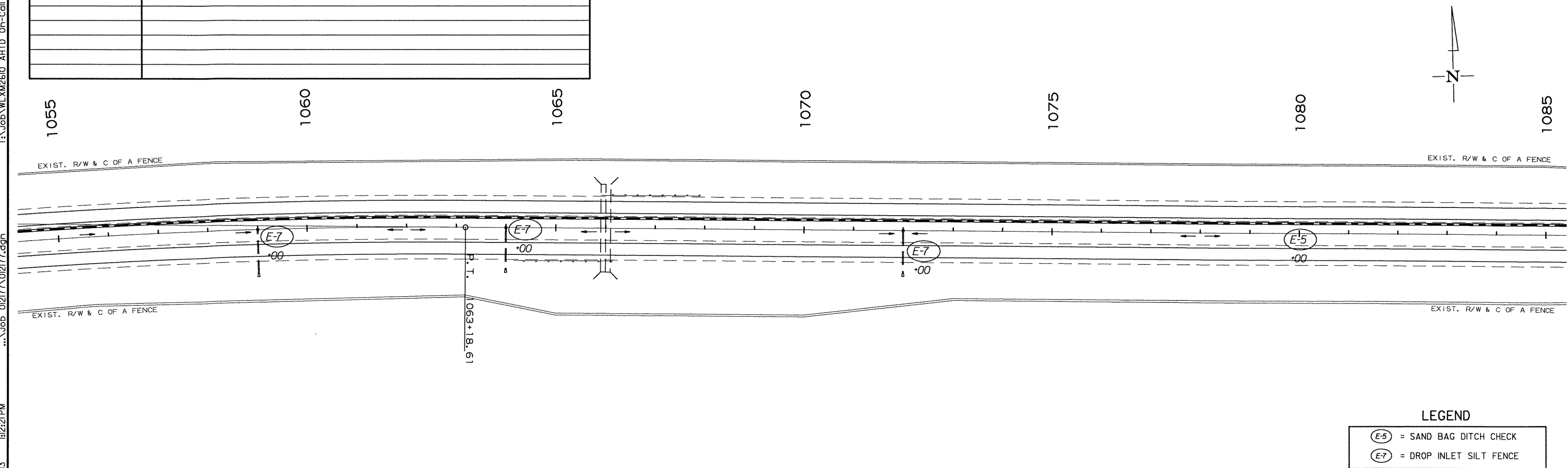
② TEMPORARY EROSION CONTROL DETAILS

C.L. MEDIAN
 PI = 1053+60.80
 Δ = 9°36'02" RT.
 D = 0°30'00"
 T = 962.31'
 L = 1920.12'
 PC = 1043+98.49
 PT = 1063+18.61



REVISIONS

DATE	REVISION



LEGEND

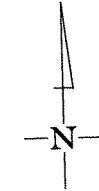
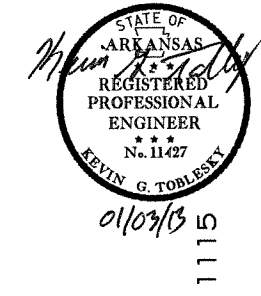
(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 1025+00 TO STA. 1085+00

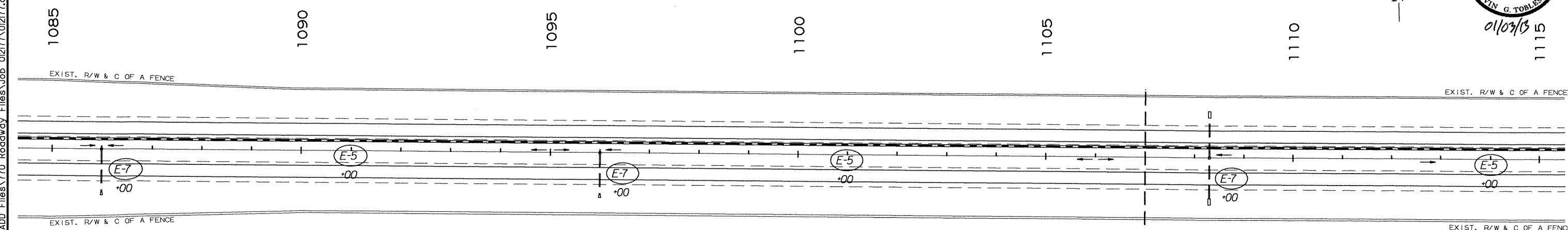
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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				JOB NO.		012177	27	104

2 TEMPORARY EROSION CONTROL DETAILS

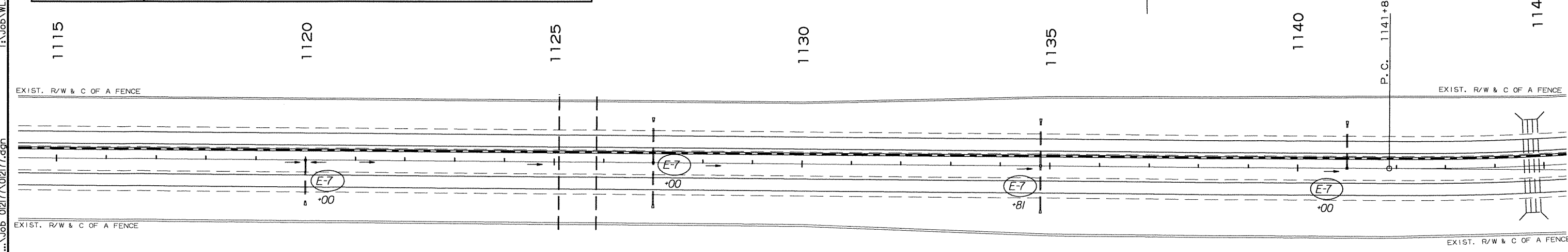


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REVISIONS

DATE	REVISION



LEGEND

	= SAND BAG DITCH CHECK
	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 1085+00 TO STA. 1145+00

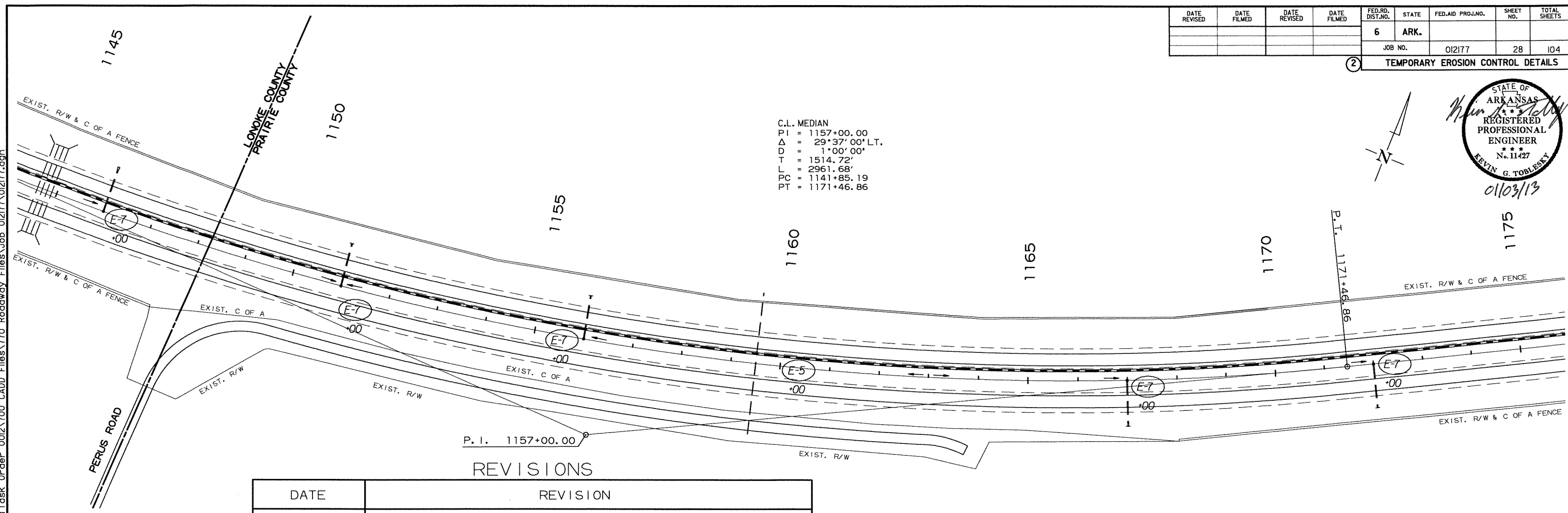


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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② TEMPORARY EROSION CONTROL DETAILS



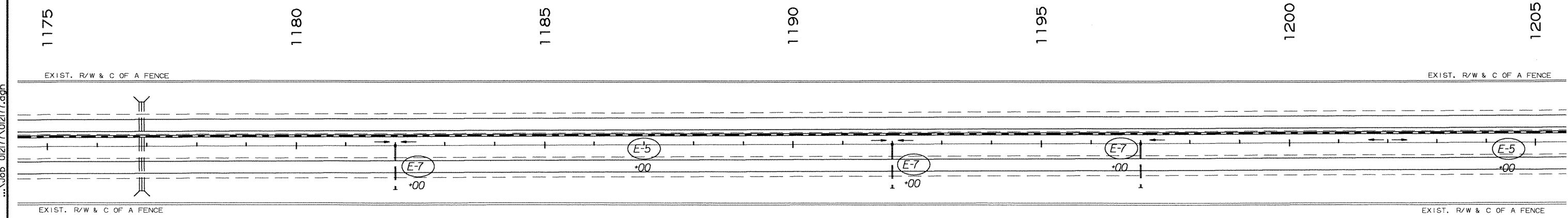
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 L = 2961.68'
 PC = 1141+85.19
 PT = 1171+46.86



P. I. 1157+00.00

REVISIONS

DATE	REVISION



LEGEND

(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

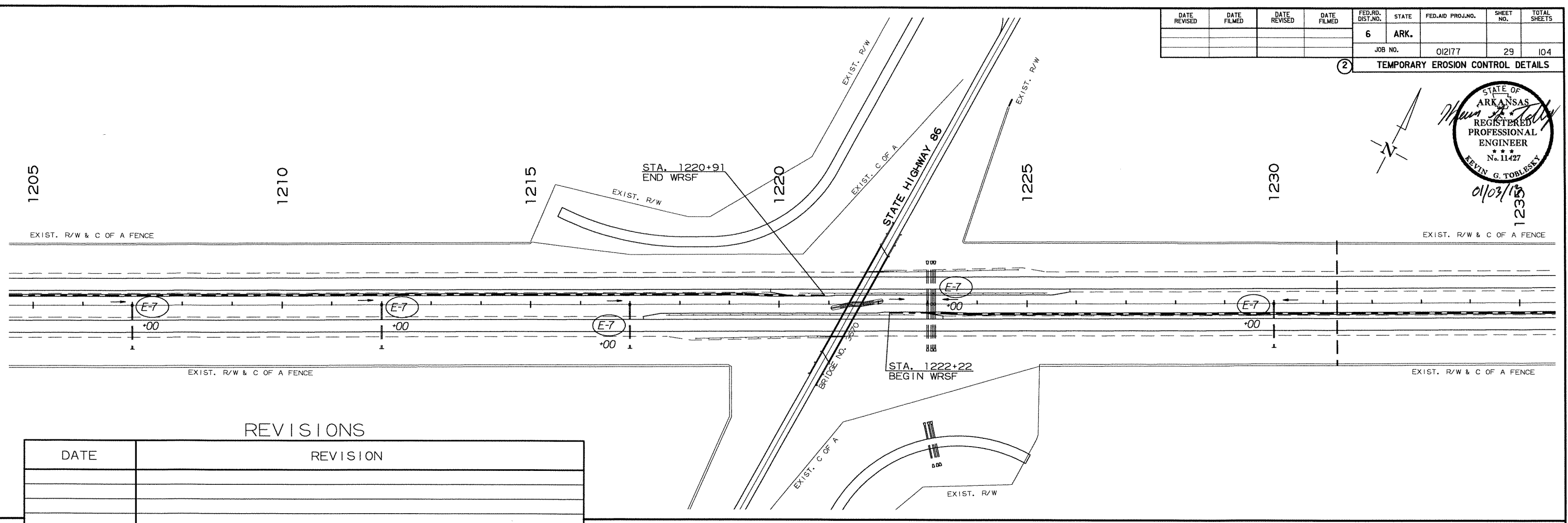
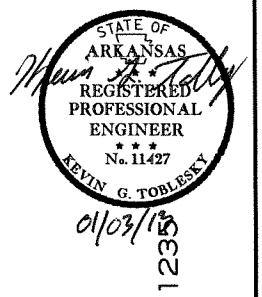
TEMPORARY EROSION CONTROL DETAILS - STA. 1145+00 TO STA. 1205+00

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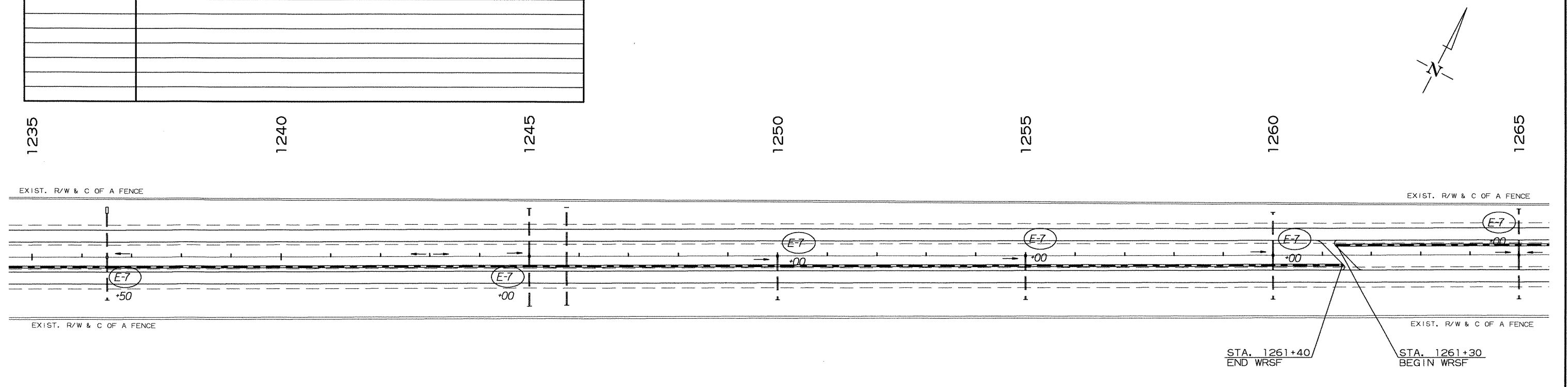
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		29	104
				JOB NO.		012177	29	104

② TEMPORARY EROSION CONTROL DETAILS



REVISIONS	
DATE	REVISION



LEGEND	
(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

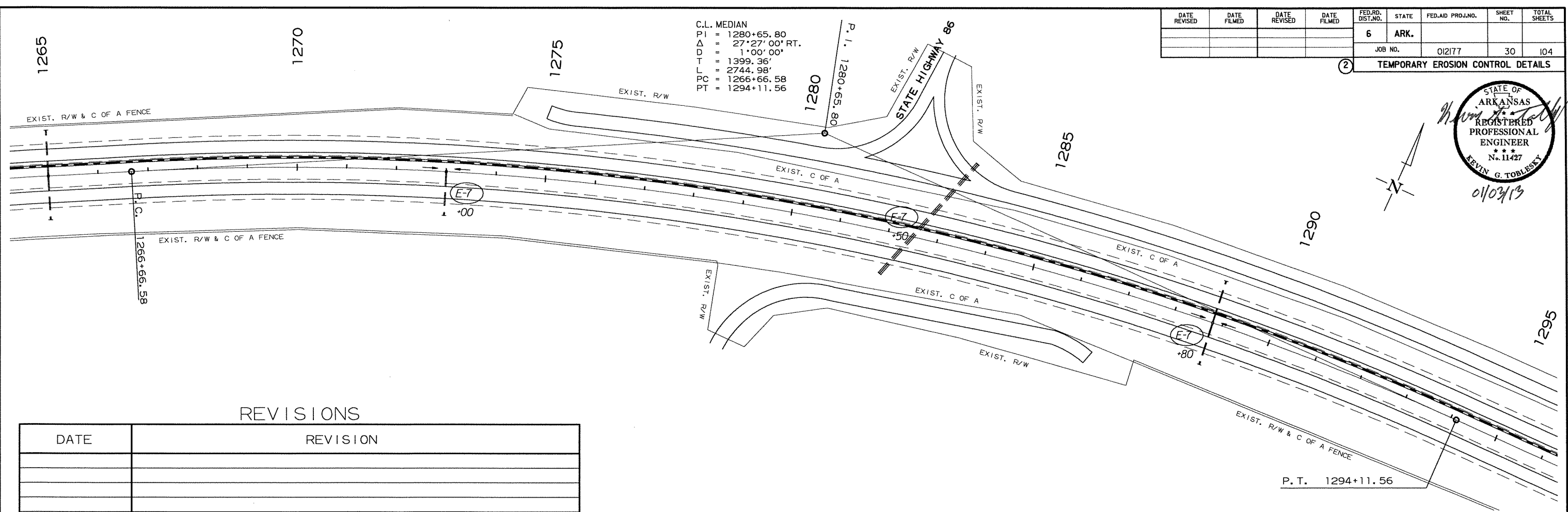
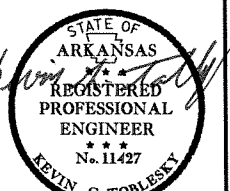
TEMPORARY EROSION CONTROL DETAILS - STA. 1205+00 TO STA. 1265+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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				JOB NO.		012177		

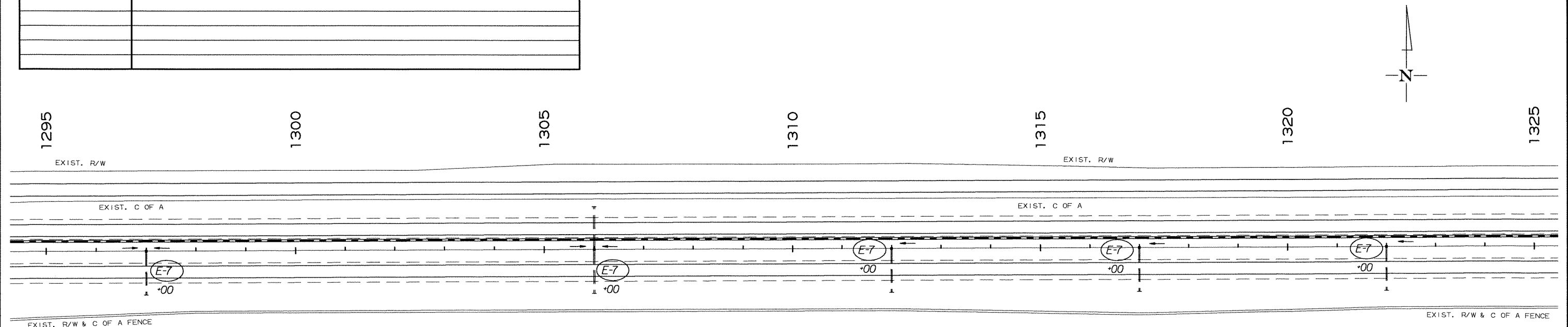
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 T = 1399.36'
 DLT = 2744.98'
 PC = 1266+66.58
 PT = 1294+11.56

2 TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION



LEGEND

(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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				JOB NO.	012177		31	104

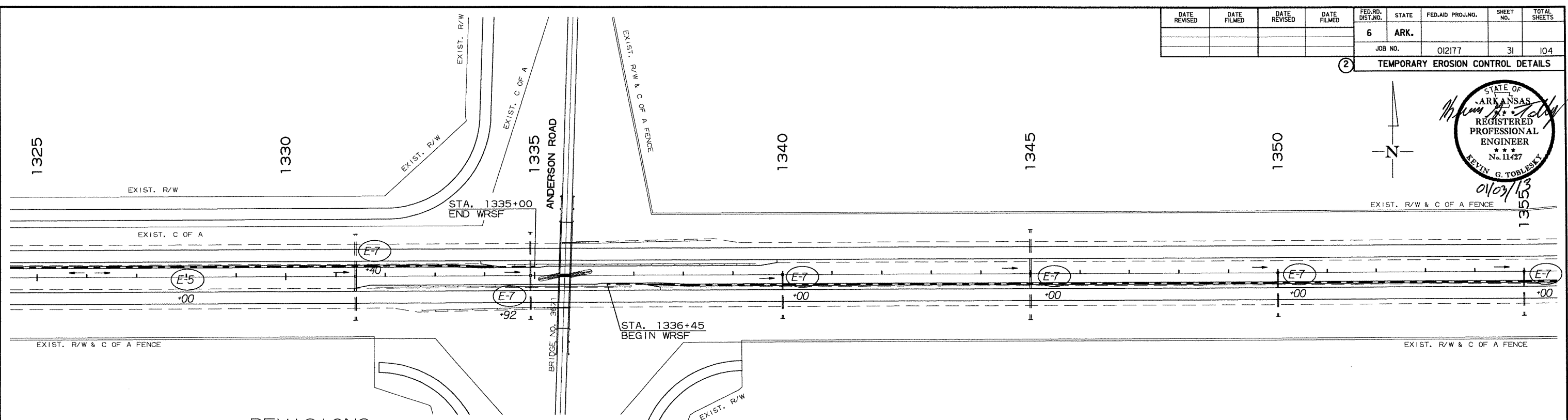
② TEMPORARY EROSION CONTROL DETAILS

N

STATE OF
ARKANSAS
REGISTERED
PROFESSIONAL
ENGINEER
No. 11427
KEVIN G. TOBLESKY

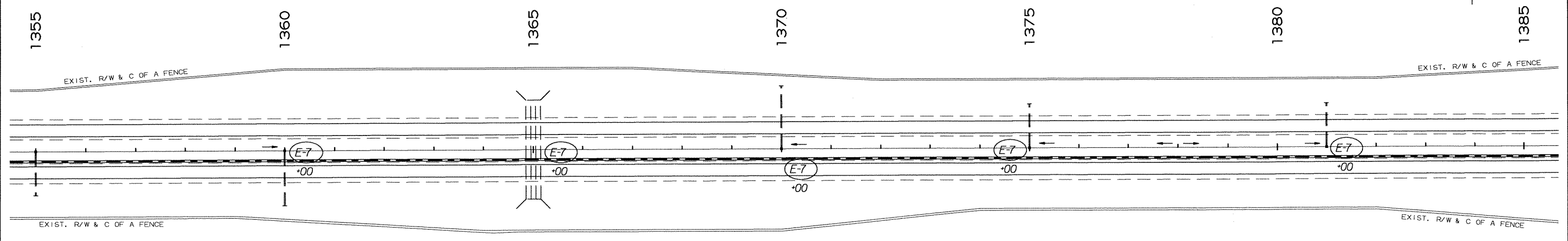
01/03/13

EXIST. R/W & C OF A FENCE



REVISIONS

DATE	REVISION



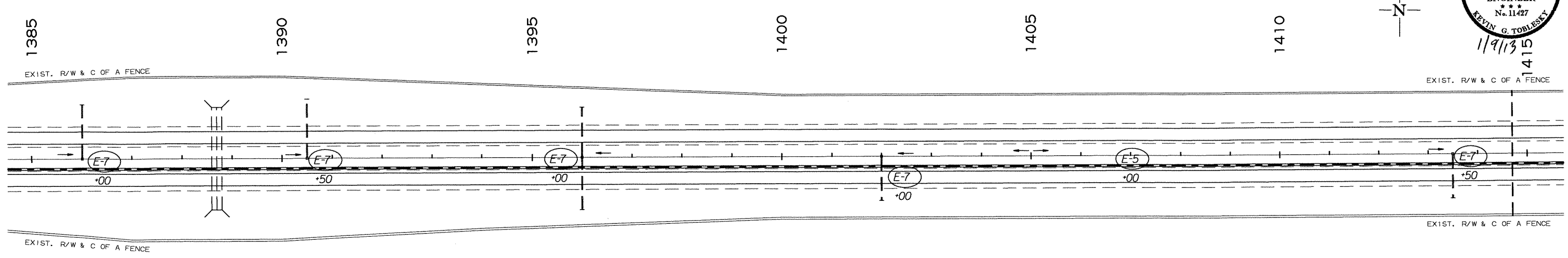
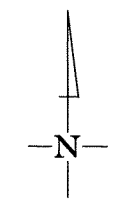
LEGEND

(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 1325+00 TO STA. 1385+00

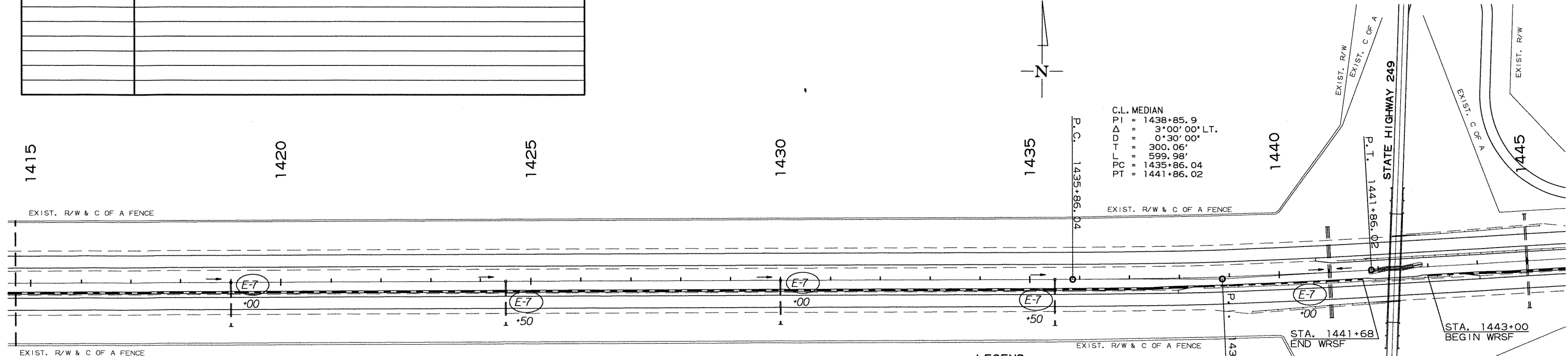
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	
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JOB NO.							012177	32	104

② TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION



LEGEND

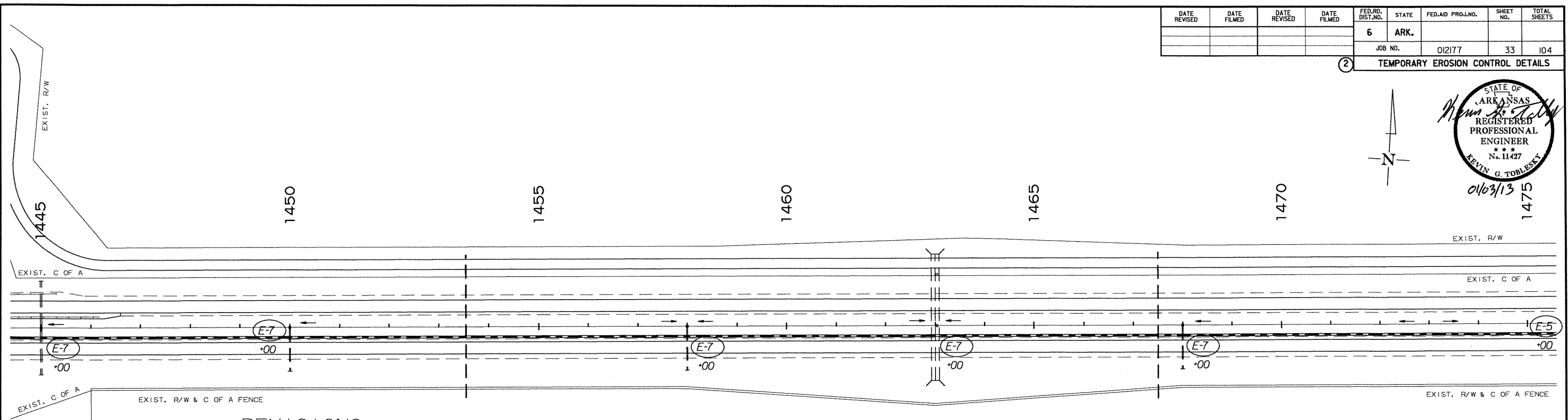
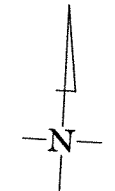
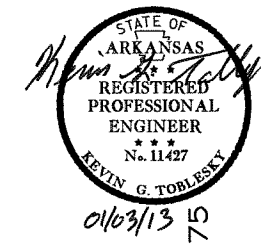
	= SAND BAG DITCH CHECK
	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 1385+00 TO STA. 1445+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 012177							33	104

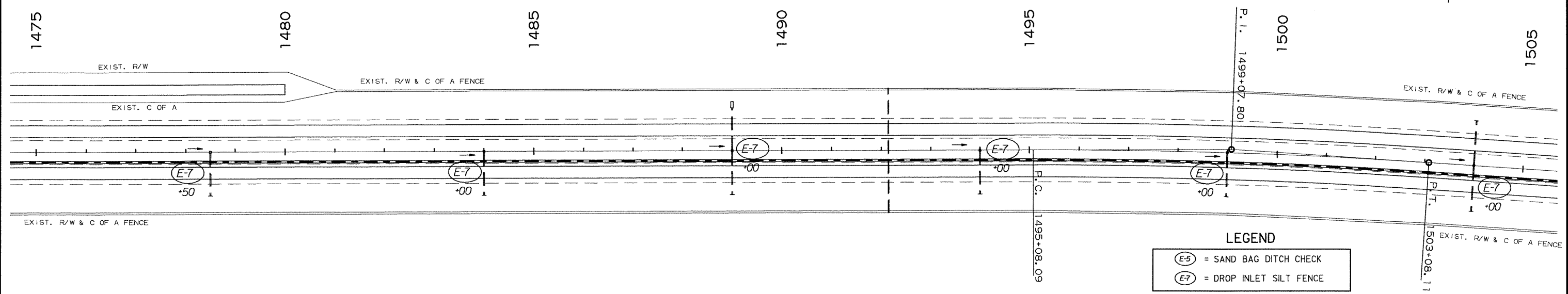
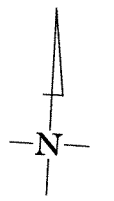
② TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION

C.L. MEDIAN
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 D = 0°30'00"
 T = 400.17'
 L = 800.02'
 P.C. = 1495+08.09
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LEGEND

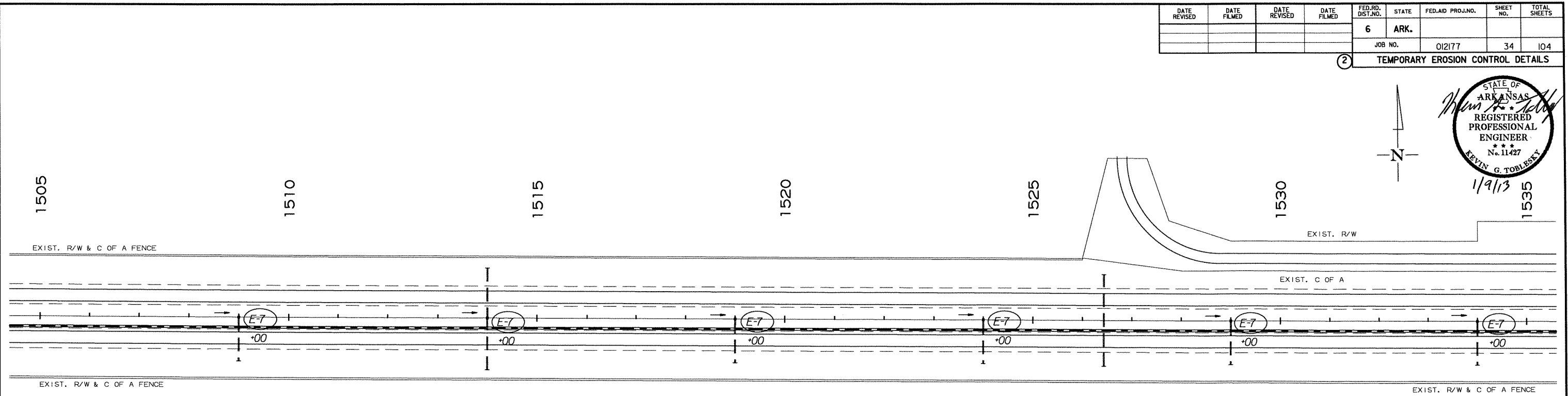
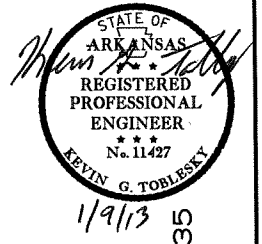
	= SAND BAG DITCH CHECK
	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 1445+00 TO STA. 1505+00

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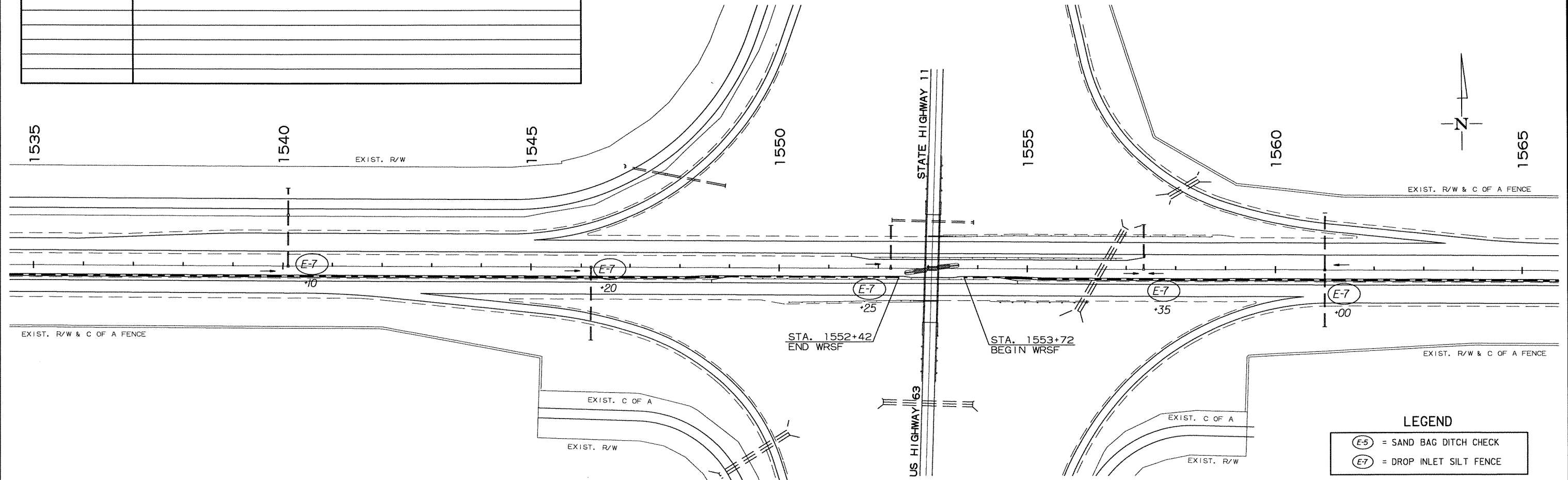
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				JOB NO.	012177		34	104

2 TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION



LEGEND

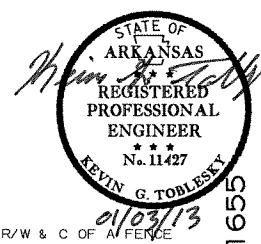
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(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 1505+00 TO STA. 1565+00

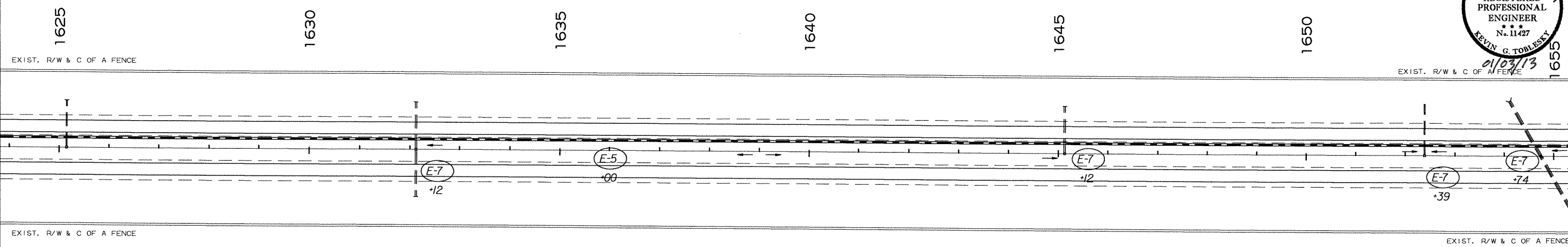
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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② TEMPORARY EROSION CONTROL DETAILS

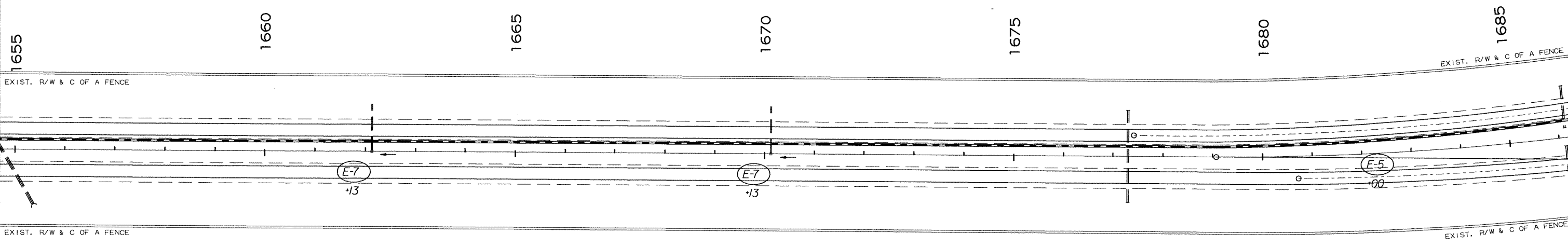


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REVISIONS

DATE	REVISION



LEGEND

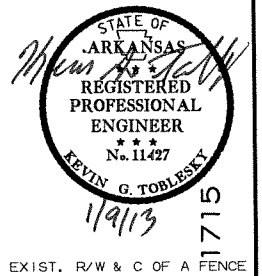
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TEMPORARY EROSION CONTROL DETAILS - STA. 1625+00 TO STA. 1685+00

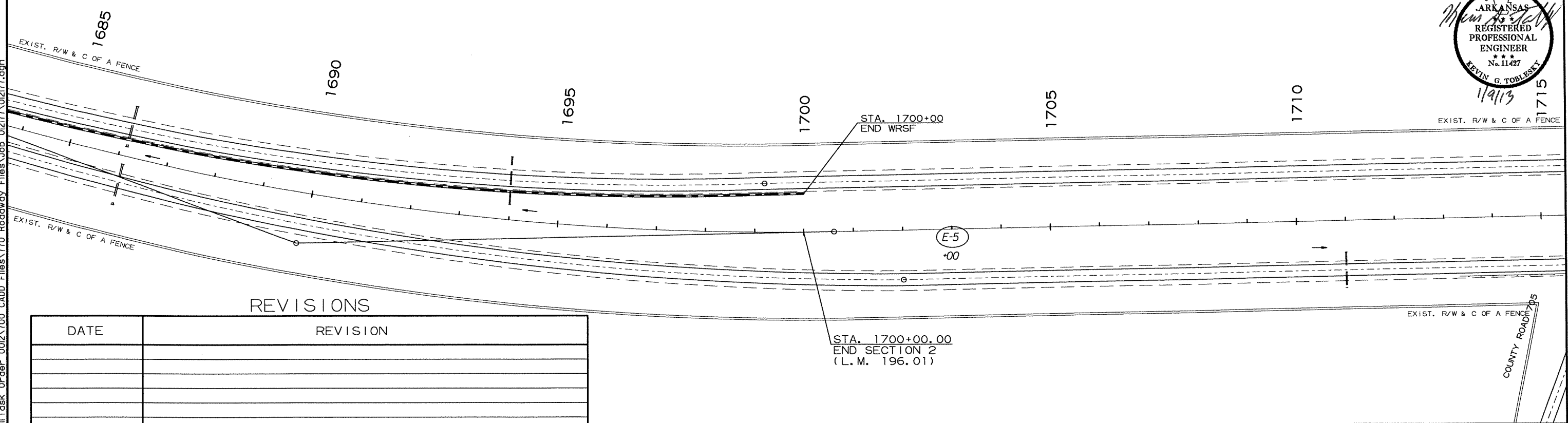


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				JOB NO.	012177		37	104

② TEMPORARY EROSION CONTROL DETAILS



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REVISIONS

DATE	REVISION

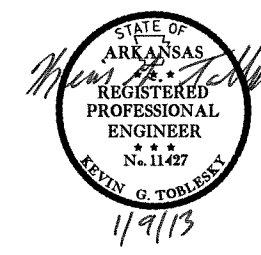
LEGEND

	= SAND BAG DITCH CHECK
	= DROP INLET SILT FENCE

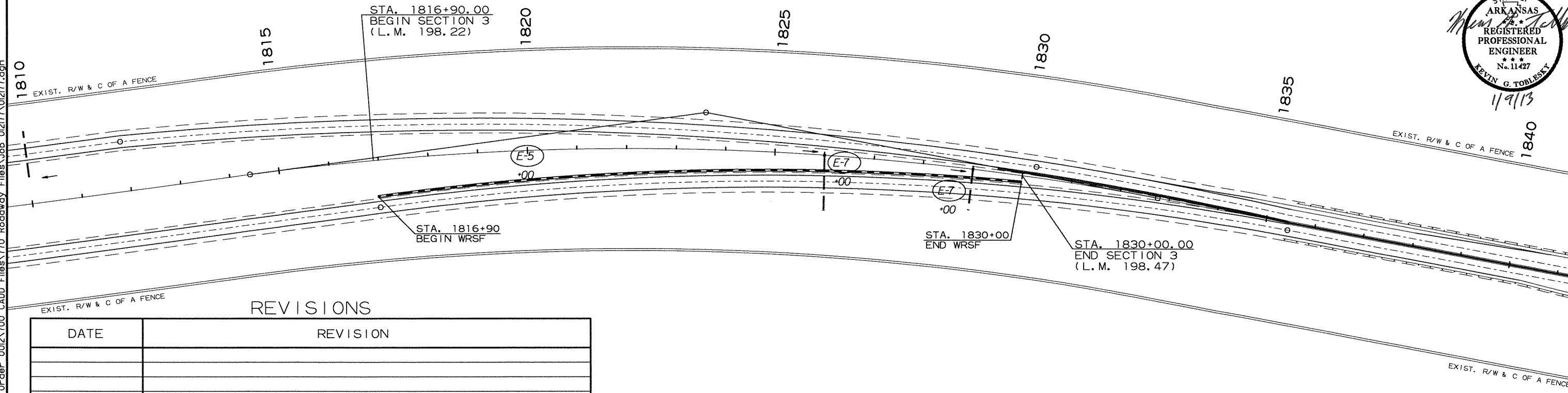


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				JOB NO.	012177		38	104

② TEMPORARY EROSION CONTROL DETAILS

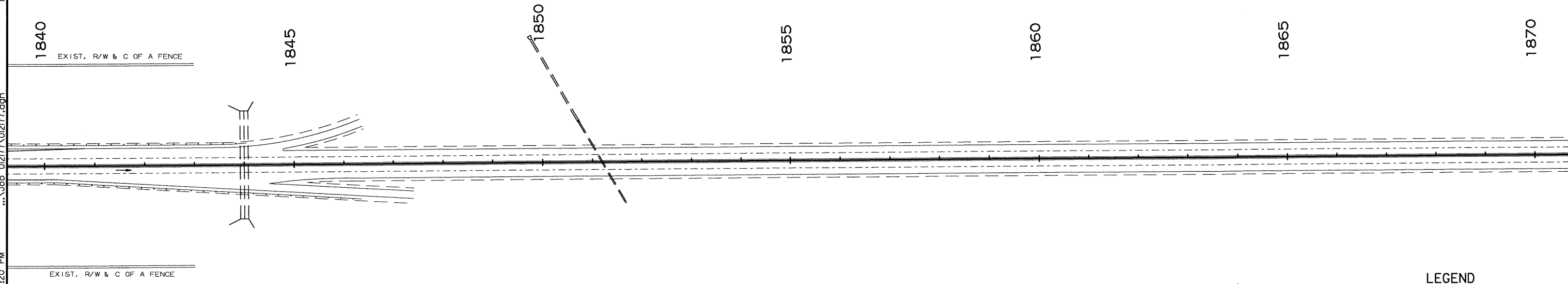


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REVISIONS

DATE	REVISION



LEGEND

(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

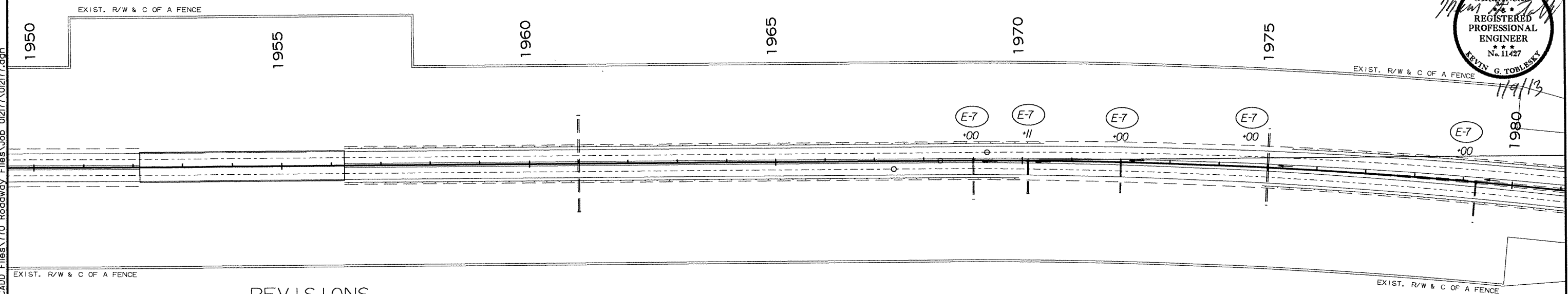
TEMPORARY EROSION CONTROL DETAILS - STA. 1810+00 TO STA. 1870+00

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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JOB NO. 012177							39	104

② TEMPORARY EROSION CONTROL DETAILS

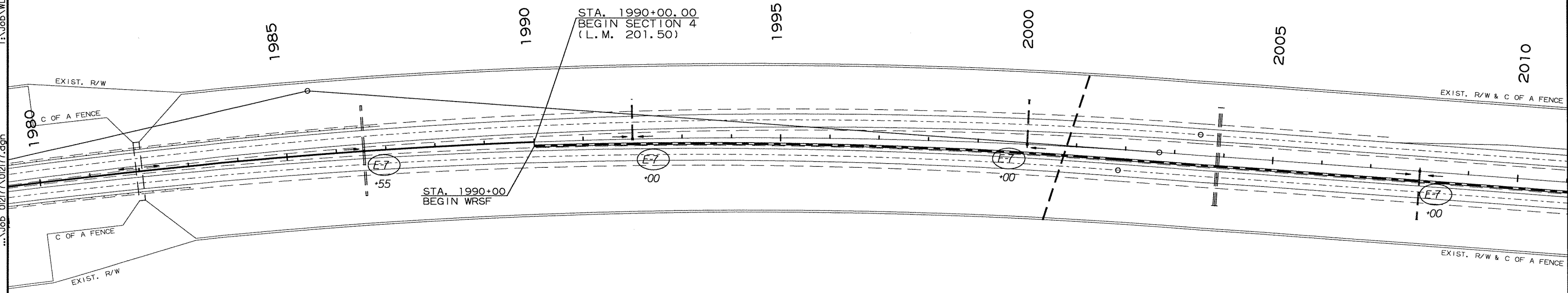


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REVISIONS

DATE	REVISION



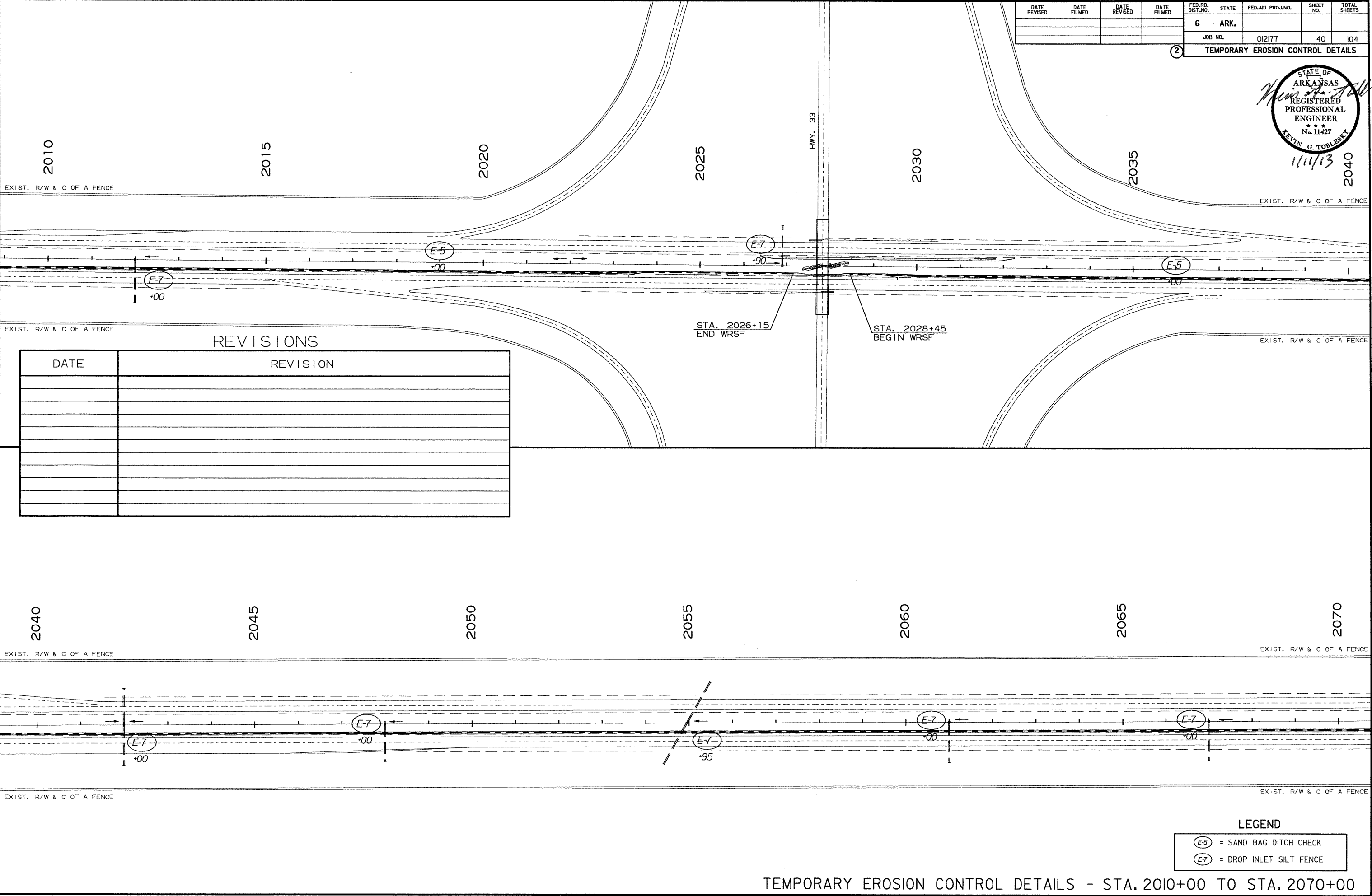
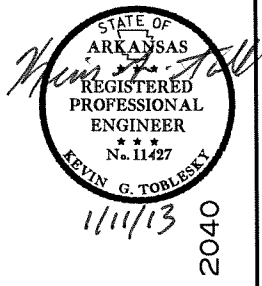
LEGEND

E-5	= SAND BAG DITCH CHECK
E-7	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 1950+00 TO STA. 2010+00

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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				JOB NO.	012177	40	104	

2) TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION

LEGEND

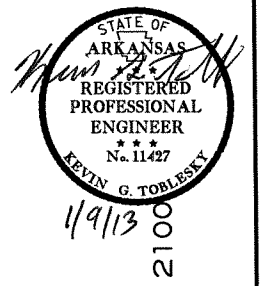
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(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 2010+00 TO STA. 2070+00

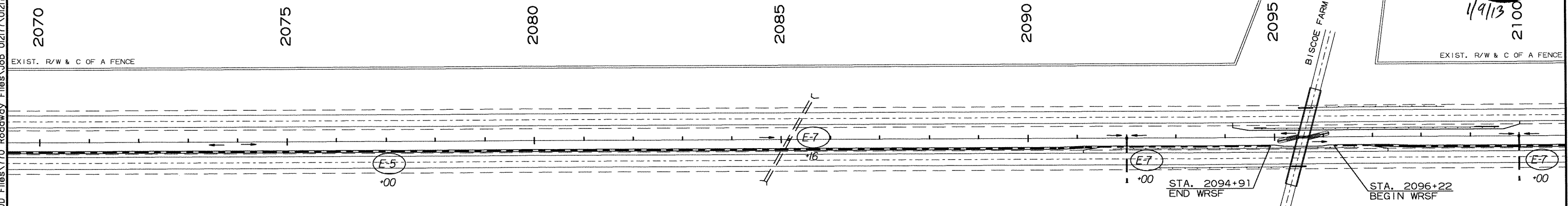
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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2 TEMPORARY EROSION CONTROL DETAILS

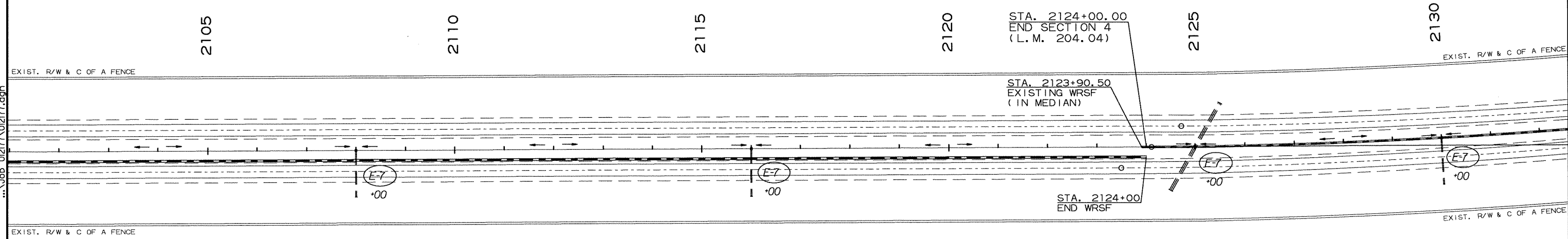


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REVISIONS

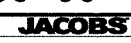
DATE	REVISION



LEGEND

(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

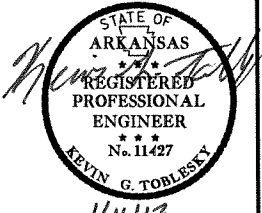
TEMPORARY EROSION CONTROL DETAILS - STA. 2070+00 TO STA. 2130+00



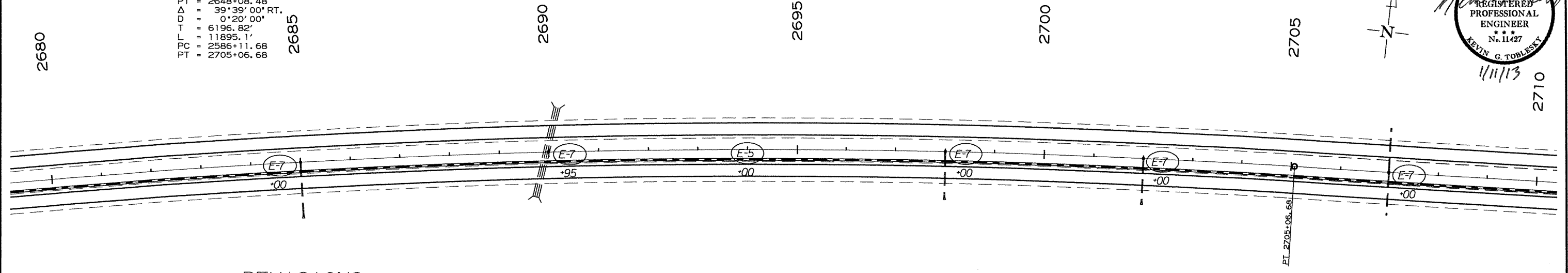
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				6	ARK.			
				JOB NO.	012177	43	104	

② TEMPORARY EROSION CONTROL DETAILS

C.L. MEDIAN
 PI = 2648+08.48
 Δ = 39°39'00" RT.
 D = 0°20'00"
 T = 6196.82'
 L = 11895.1'
 PC = 2586+11.68
 PT = 2705+06.68

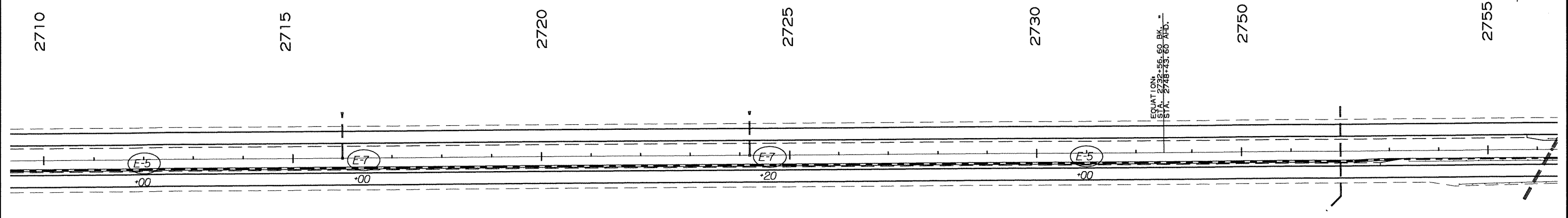


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REVISIONS

DATE	REVISION



LEGEND

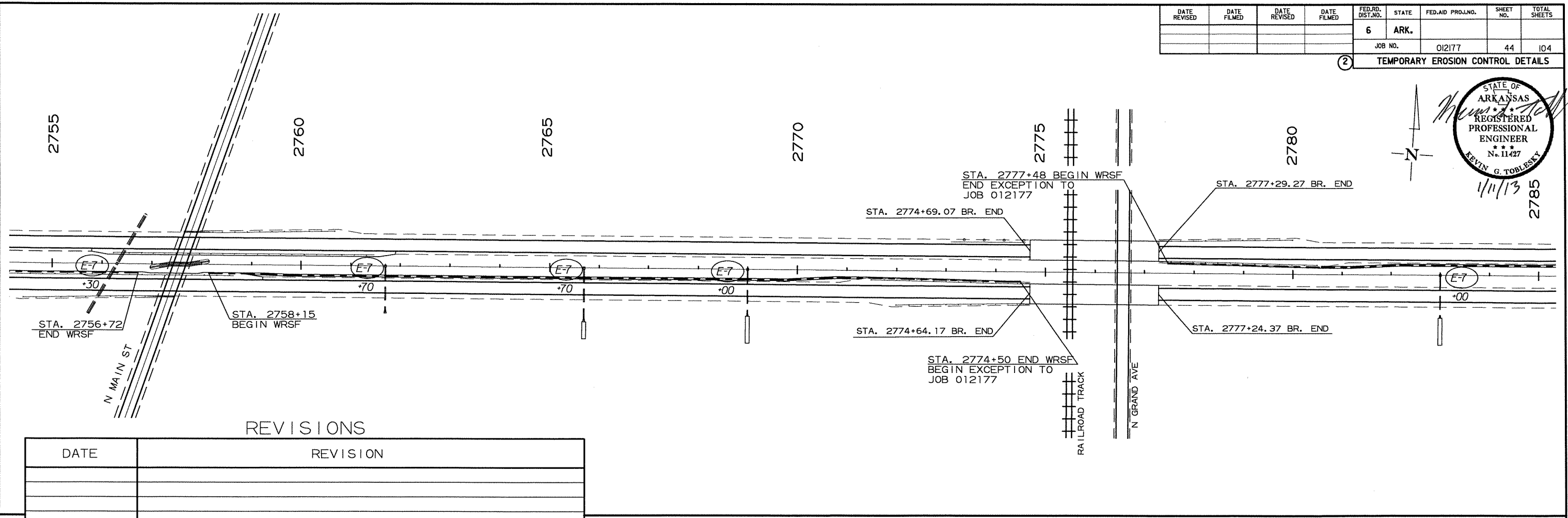
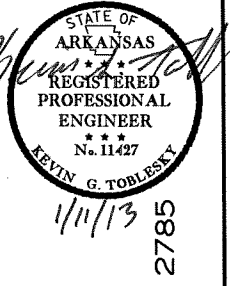
(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS - STA. 2680+00 TO STA. 2755+00

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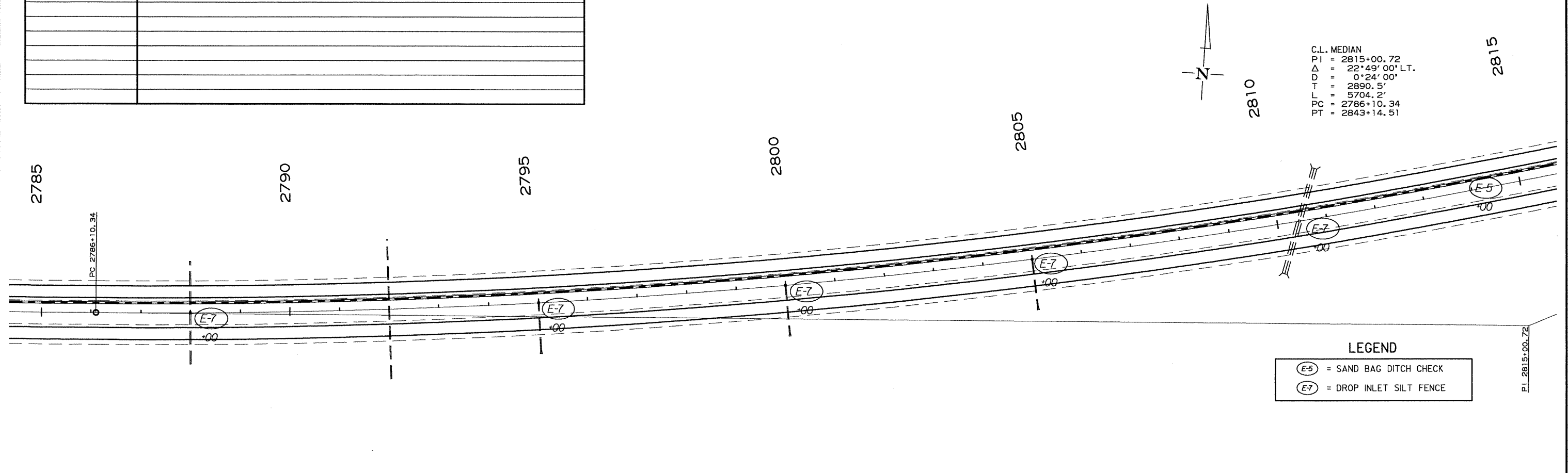
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				6	ARK.		44	104
				JOB NO. 012177				

2 TEMPORARY EROSION CONTROL DETAILS



REVISIONS

DATE	REVISION

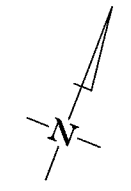


TEMPORARY EROSION CONTROL DETAILS - STA. 2755+00 TO STA. 2815+00

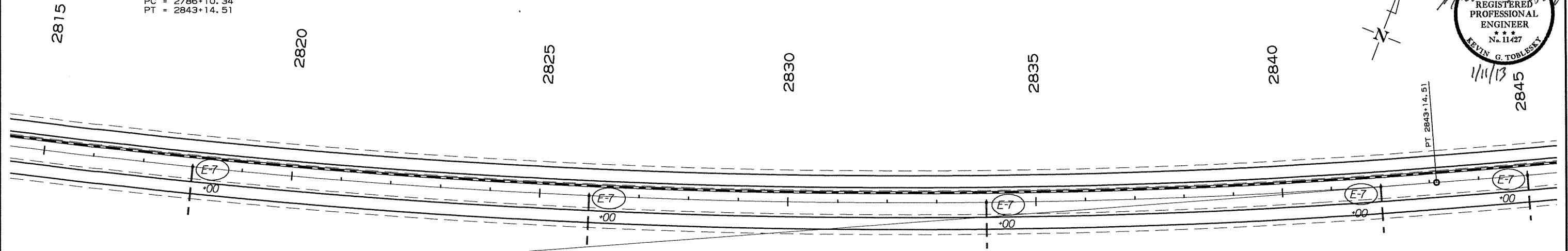
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		45	104

2 TEMPORARY EROSION CONTROL DETAILS

C.L. MEDIAN
 PI = 2815+00.72
 Δ = 22°49'00" LT.
 D = 0°24'00"
 T = 2890.5'
 F = 5704.2'
 PC = 2786+10.34
 PT = 2843+14.51

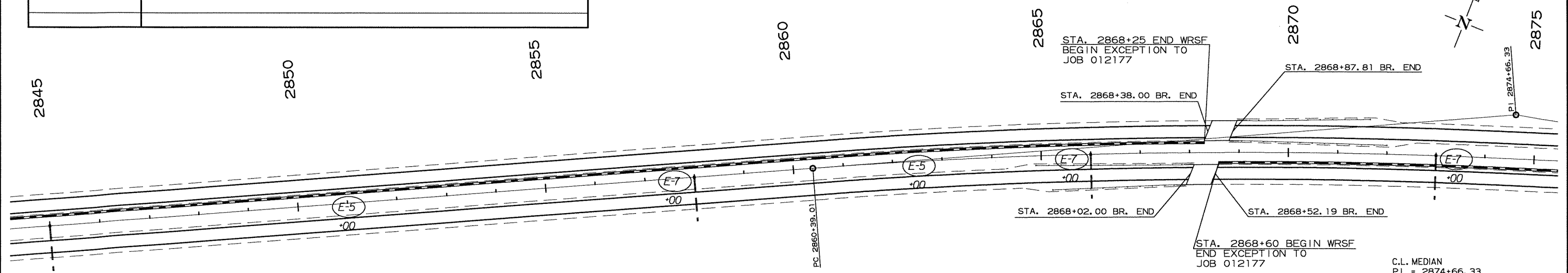


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REVISIONS

DATE	REVISION



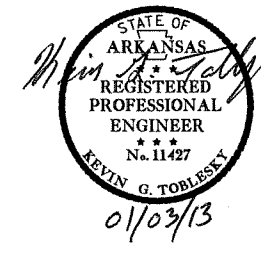
LEGEND

(E-5)	= SAND BAG DITCH CHECK
(E-7)	= DROP INLET SILT FENCE

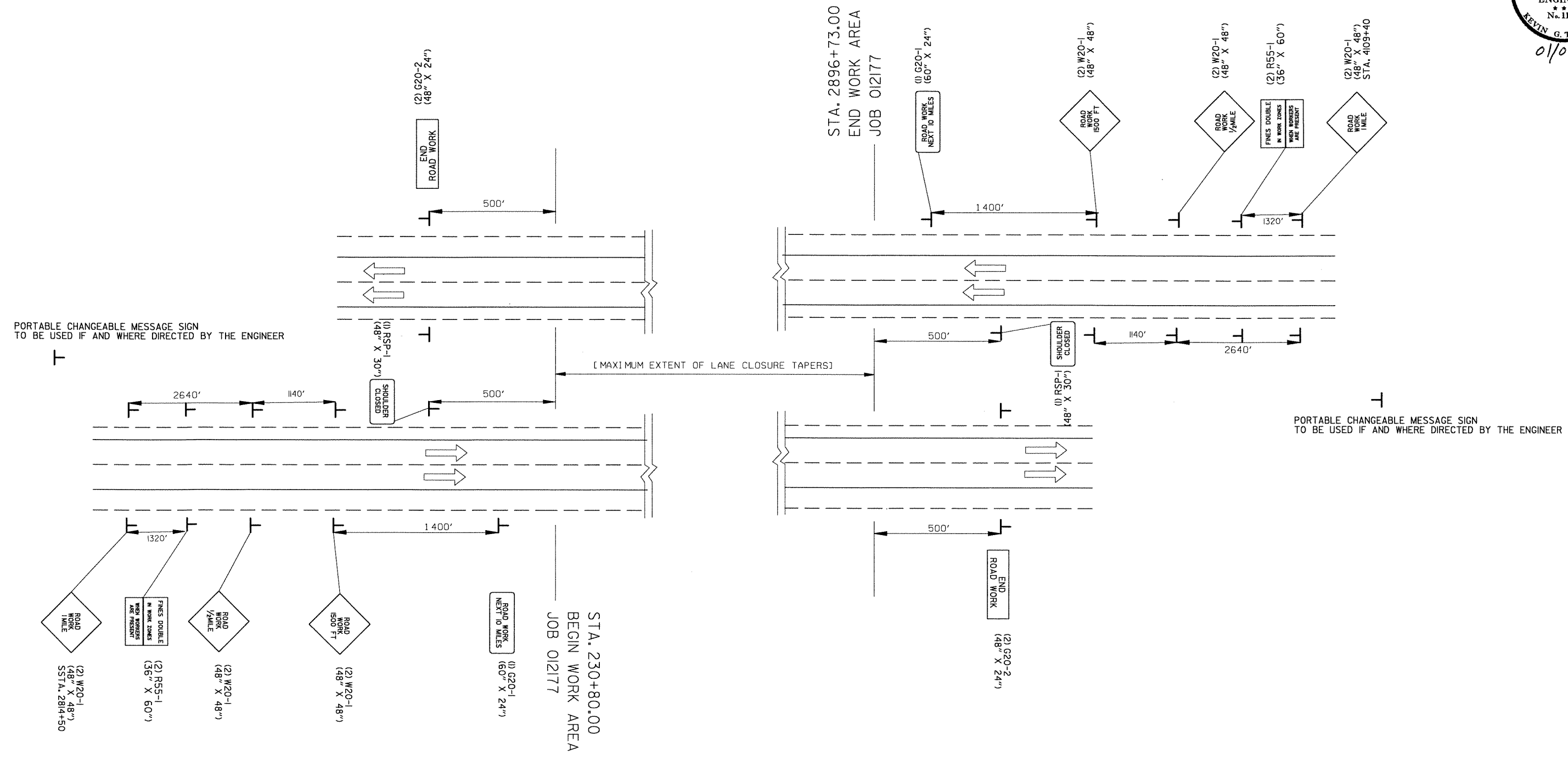
C.L. MEDIAN
 PI = 2874+66.33
 Δ = 14°12'00" RT.
 D = 0°30'00"
 T = 1424.4'
 L = 2840.0'
 PC = 2860+39.01
 PT = 2888+79.01



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		47	104
				JOB NO. 012177				
				② MAINTENANCE OF TRAFFIC				



NOTE :
W20-1 (VARIOUS DISTANCE) ADVANCE SIGNS
TO BE REPLACED AS NEEDED BY EQUIVALENT W20-5 SIGNS
AS WORKING AREA SHIFTS.



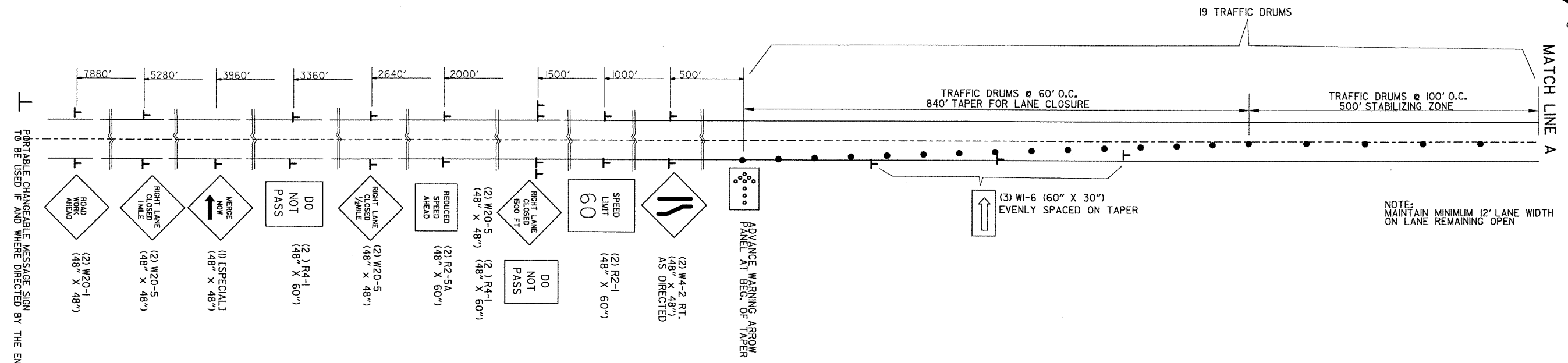
NOTE :
W20-1 (VARIOUS DISTANCE) ADVANCE SIGNS
TO BE REPLACED AS NEEDED BY EQUIVALENT W20-5 SIGNS
AS WORKING AREA SHIFTS.

ADVANCE SIGNS AT BEGINNING AND END OF JOB
ALL STAGES

MAINTENANCE OF TRAFFIC
ADVANCE SIGNS AT JOB ENDS

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 I:\Job\WLM260 AHTD On-Call\Task Order_002\700 CADD Files\770 Roadway Files\Job_012177\012177.dgn
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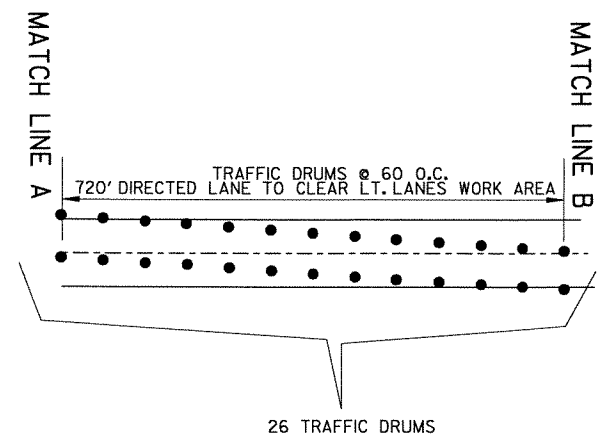
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		012177	48	104
② MAINTENANCE OF TRAFFIC								



RT. LANE CLOSURE

NOTE: REFER TO SP-MAINTENANCE OF TRAFFIC FOR LANE CLOSURE LIMITATIONS AND RESTRICTIONS. QUANTITY OF TRAFFIC DRUMS PROVIDED IN THE CONTRACT IS THE MAXIMUM NUMBER REQUIRED FOR ONE LANE CLOSURE.

NOTE: ANY WORK ZONE OUTSIDE THE LIMITS OF THE LANE CLOSURE AREA MUST HAVE PRIOR WRITTEN APPROVAL OF THE ENGINEER AND ANY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE DEPARTMENT.



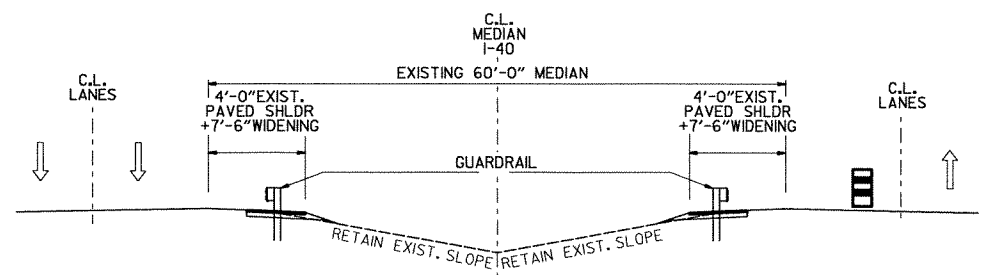
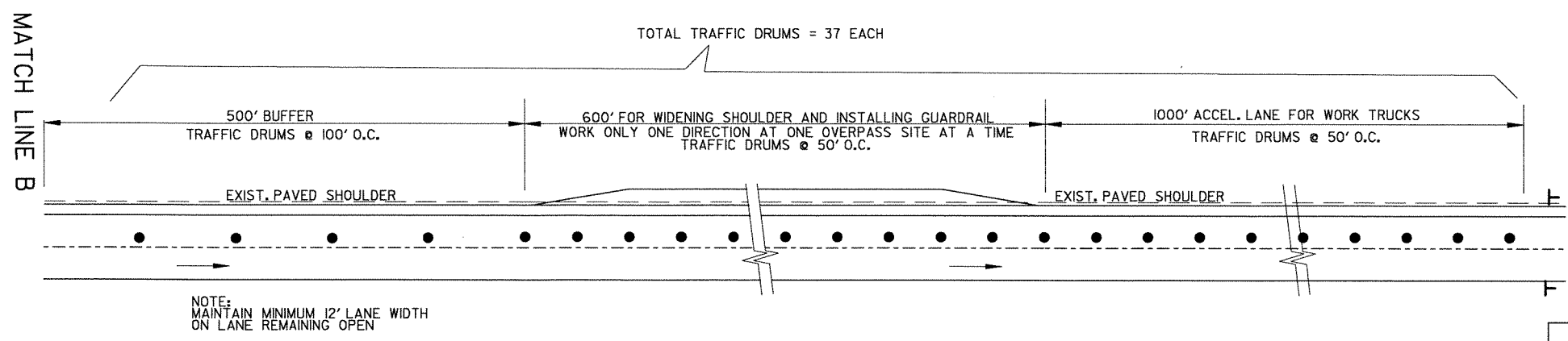
DIVERSION FOR LT. LANE WORK ZONE

MAINTENANCE OF TRAFFIC MOVABLE LANE CLOSURE

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		49	104

② MAINTENANCE OF TRAFFIC

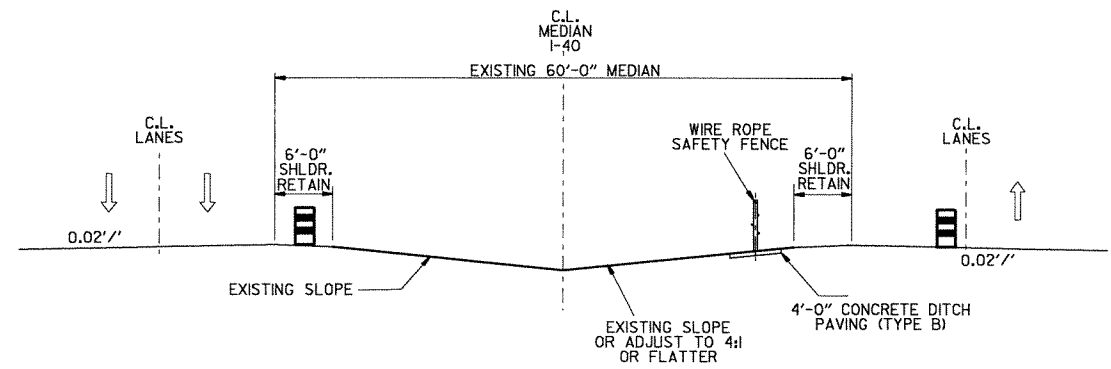
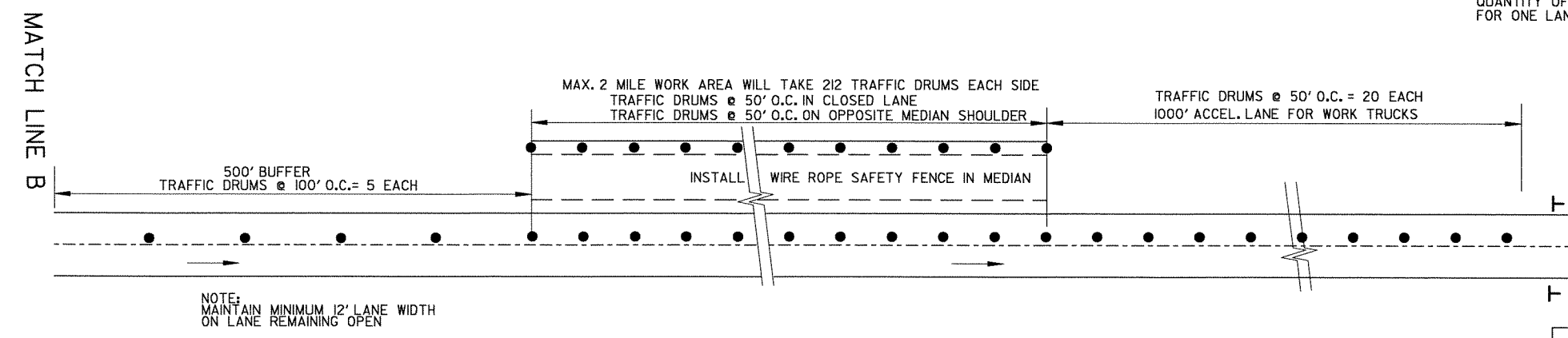


TRUCKS	65
SPEED LIMIT	70
(2) R2-1	(48" X 60")
(2) R2-2	(48" X 60")
(48" X 48")	(48" X 48")

ROAD WORK AHEAD (4) W20-1 (48" X 48") ON ENTRANCE RAMP

MOVABLE WORK ZONE FOR GUARDRAIL INSTALLATION

NOTE: REFER TO SP-MAINTENANCE OF TRAFFIC FOR LANE CLOSURE LIMITATIONS AND RESTRICTIONS. QUANTITY OF TRAFFIC DRUMS PROVIDED IN THE CONTRACT IS THE MAXIMUM NUMBER REQUIRED FOR ONE LANE CLOSURE.



TRUCKS	65
SPEED LIMIT	70
(2) R2-1	(48" X 60")
(2) R2-2	(48" X 60")
(48" X 48")	(48" X 48")

MOVABLE WORK ZONE FOR WRSF INSTALLATION

MAINTENANCE OF TRAFFIC WORK AREAS

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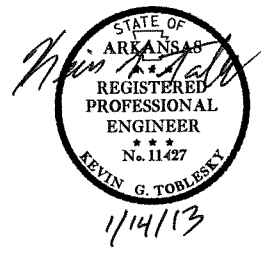
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177	50	104	

ADVANCE WARNING SIGNS AND DEVICES

SIGN NUMBER	DESCRIPTION	SIGN SIZE	MAXIMUM NUMBER REQUIRED	TOTAL SIGNS REQUIRED		TRAFFIC DRUMS EACH	ADVANCE WARNING ARROW PANEL DAY	PORTABLE CHANGEABLE MESSAGE SIGN WEEK
				NO.	SQ. FT.			
W20-1	ROAD WORK 1 MILE	48"x48"	4	4	64.0			
W20-1	ROAD WORK 1/2 MILE	48"x48"	4	4	64.0			
W20-1	ROAD WORK 1500 FT.	48"x48"	4	4	64.0			
W20-1	ROAD WORK AHEAD	48"x48"	6	6	96.0			
G20-2	END ROAD WORK	48"x24"	4	4	32.0			
G20-1	ROAD WORK NEXT xx MILES	60"x24"	2	2	20.0			
W1-6	LARGE ARROW	30"x60"	3	3	36.0			
R4-1	DO NOT PASS	24"x30"	4	4	20.0			
RSP-1	SHOULDER CLOSED	48"x30"	2	2	20.0			
SPECIAL 1	MERGE NOT + ARROW	48"x48"	1	1	16.0			
W20-5	RIGHT LANE CLOSED 1 MILE	48"x48"	2	2	32.0			
W20-5	RIGHT LANE CLOSED 1/2 MILE	48"x48"	2	2	32.0			
W20-5	RIGHT LANE CLOSED 1500 FEET	48"x48"	2	2	32.0			
W4-2R	RIGHT LANE CLOSING GRAPHIC	48"x48"	2	2	32.0			
R55-1	FINES DOUBLE IN WORK ZONES	36"x60"	4	4	60.0			
R2-5A	REDUCED SPEED AHEAD	48"x60"	2	2	40.0			
R2-1	SPEED LIMIT 60 MPH	48"x60"	2	2	40.0			
R2-1	SPEED LIMIT 70 MPH	48"x60"	2	2	40.0			
R2-2	TRUCKS SPEED LIMIT 65 MPH	48"x60"	2	2	40.0			
	TRAFFIC DRUMS		494			494		
	ADVANCE WARNING ARROW PANEL		1				150	
	PORTABLE CHANGEABLE MESSAGE SIGN		3					156
TOTALS:					780.0	494	150	156

NOTE: THIS IS A HIGH TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2003 EDITION.

QUANTITIES



STRUCTURES

STATION	LOCATION	SIDE DRAINS
		LIN. FT.
794+50	MEDIAN	52
TOTAL:		52

GUARDRAIL

STATION	STATION	LOCATION	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
			LIN. FT.	EACH	EACH
253+36	258+36	LT. OF R.M.L.	450	1	1
256+04	261+04	RT. OF L.M.L.	450	1	1
292+02	297+02	LT. OF R.M.L.	450	1	1
294+67	299+67	RT. OF L.M.L.	450	1	1
333+32	352+57	LT. OF R.M.L.	1875	1	1
336+12	355+37	RT. OF L.M.L.	1875	1	1
365+98	370+98	RT. OF L.M.L.	450	1	1
439+57	444+57	LT. OF R.M.L.	450	1	1
442+26	447+26	RT. OF L.M.L.	450	1	1
522+60	527+60	LT. OF R.M.L.	450	1	1
525+35	530+35	RT. OF L.M.L.	450	1	1
49+18	54+18	LT. OF R.M.L.	450	1	1
51+86	56+86	RT. OF L.M.L.	450	1	1
382+24	387+24	LT. OF R.M.L.	450	1	1
384+95	389+95	RT. OF L.M.L.	450	1	1
489+51	494+51	LT. OF R.M.L.	450	1	1
492+27	497+27	RT. OF L.M.L.	450	1	1
566+46	571+46	LT. OF R.M.L.	450	1	1
569+17	574+17	RT. OF L.M.L.	450	1	1
708+42	713+42	LT. OF R.M.L.	450	1	1
711+07	716+07	RT. OF L.M.L.	450	1	1
816+51	821+51	LT. OF R.M.L.	450	1	1
819+16	824+16	RT. OF L.M.L.	450	1	1
983+94	988+94	LT. OF R.M.L.	450	1	1
986+64	991+64	RT. OF L.M.L.	450	1	1
1037+90	1042+90	LT. OF R.M.L.	450	1	1
1040+60	1045+60	RT. OF L.M.L.	450	1	1
1217+72	1222+72	LT. OF R.M.L.	450	1	1
1220+41	1225+41	RT. OF L.M.L.	450	1	1
1331+95	1336+95	LT. OF R.M.L.	450	1	1
1334+45	1339+45	RT. OF L.M.L.	450	1	1
1438+49	1443+49	LT. OF R.M.L.	450	1	1
1441+17	1446+17	RT. OF L.M.L.	450	1	1
1549+22	1554+22	LT. OF R.M.L.	450	1	1
1551+91	1556+91	RT. OF L.M.L.	450	1	1
2023+96	2028+96	LT. OF R.M.L.	450	1	1
2026+83	2031+83	RT. OF L.M.L.	450	1	1
2091+72	2096+72	LT. OF R.M.L.	450	1	1
2094+72	2099+72	RT. OF L.M.L.	450	1	1
2630+05	2635+05	LT. OF R.M.L.	450	1	1
2632+73	2637+73	RT. OF L.M.L.	450	1	1
2753+39	2758+64	LT. OF R.M.L.	475	1	1
2756+22	2761+47	RT. OF L.M.L.	475	1	1
TOTALS:			22250	43	43

REMOVAL AND DISPOSAL OF ITEMS

STATION	LOCATION	IMPACT ATTENUATION BARRIER EACH	PIPE CULVERTS EACH
		257+11	CENTERLINE OF MEDIAN
257+30	CENTERLINE OF MEDIAN	1	
295+73	CENTERLINE OF MEDIAN	1	
295+89	CENTERLINE OF MEDIAN	1	
337+00	CENTERLINE OF MEDIAN	1	
337+62	CENTERLINE OF MEDIAN	1	
344+09	CENTERLINE OF MEDIAN	1	
345+09	CENTERLINE OF MEDIAN	1	
351+10	CENTERLINE OF MEDIAN	1	
351+71	CENTERLINE OF MEDIAN	1	
367+45	RT. OF L.M.L.	1	
443+32	CENTERLINE OF MEDIAN	1	
443+51	CENTERLINE OF MEDIAN	1	
526+39	CENTERLINE OF MEDIAN	1	
526+57	CENTERLINE OF MEDIAN	1	
53+11	CENTERLINE OF MEDIAN	1	
52+93	CENTERLINE OF MEDIAN	1	
385+99	CENTERLINE OF MEDIAN	1	
386+21	CENTERLINE OF MEDIAN	1	
493+08	CENTERLINE OF MEDIAN	1	
493+76	CENTERLINE OF MEDIAN	1	
570+21	CENTERLINE OF MEDIAN	1	
570+42	CENTERLINE OF MEDIAN	1	
712+00	CENTERLINE OF MEDIAN	1	
712+50	CENTERLINE OF MEDIAN	1	
794+50	CENTERLINE OF MEDIAN		1
820+27	CENTERLINE OF MEDIAN	1	
820+42	CENTERLINE OF MEDIAN	1	
987+67	CENTERLINE OF MEDIAN	1	
987+90	CENTERLINE OF MEDIAN	1	
1041+64	CENTERLINE OF MEDIAN	1	
1041+87	CENTERLINE OF MEDIAN	1	
1221+44	CENTERLINE OF MEDIAN	1	
1221+62	CENTERLINE OF MEDIAN	1	
1335+52	CENTERLINE OF MEDIAN	1	
1335+71	CENTERLINE OF MEDIAN	1	
1442+24	CENTERLINE OF MEDIAN	1	
1442+42	CENTERLINE OF MEDIAN	1	
1552+98	CENTERLINE OF MEDIAN	1	
1553+16	CENTERLINE OF MEDIAN	1	
2027+80	CENTERLINE OF MEDIAN	1	
2027+99	CENTERLINE OF MEDIAN	1	
2095+49	CENTERLINE OF MEDIAN	1	
2095+68	CENTERLINE OF MEDIAN	1	
2633+63	CENTERLINE OF MEDIAN	1	
2634+20	CENTERLINE OF MEDIAN	1	
2757+18	CENTERLINE OF MEDIAN	1	
2757+93	CENTERLINE OF MEDIAN	1	
TOTALS:		47	1

EARTHWORK

STATION	STATION	LOCATION / DESCRIPTION	UNCLASSIFIED EXCAVATION	COMPACTED EMBANKMENT
			CU. YD.	CU. YD.
252+95	258+81	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	51.9	
291+59	297+45	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	51.9	
332+77	352+88	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	178.0	
439+15	445+01	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	51.9	
522+14	528+15	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	53.2	
48+60	54+61	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	53.2	
381+77	387+78	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	53.2	
487+94	494+11	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	54.6	
565+88	572+05	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	54.6	
707+85	713+86	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	53.2	
816+08	822+09	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	53.2	
983+51	989+37	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	51.9	
1037+47	1043+37	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	52.2	
1217+27	1223+28	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	53.2	
1331+37	1337+54	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	54.6	
1437+97	1444+14	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	54.6	
1548+64	1554+81	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	54.6	
2023+36	2029+52	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	54.5	
2091+12	2097+28	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	54.5	
2629+55	2635+56	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	53.2	
2752+82	2760+08	WIDENING FOR GUARDRAIL - LT. OF R.M.L.	64.3	
255+46	261+63	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	54.6	
294+10	300+27	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	54.6	
335+57	355+98	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	180.7	
365+40	371+57	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	54.6	
441+68	447+85	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	54.6	
524+77	530+78	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	53.2	
51+40	57+41	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	53.2	
384+52	390+38	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	51.9	
491+84	497+70	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	51.9	
568+71	574+57	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	51.9	
710+57	716+58	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	53.2	
818+55	824+56	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	53.2	
986+06	992+23	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	54.6	
1040+03	1046+20	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	54.6	
1219+83	1225+84	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	53.2	
1335+03	1340+89	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	51.9	
1440+74	1446+60	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	51.9	
1551+45	1557+31	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	51.9	
2026+40	2032+26	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	51.9	
2094+16	2100+02	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	51.9	
2632+31	2638+17	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	51.9	
2755+79	2761+90	WIDENING FOR GUARDRAIL - RT. OF L.M.L.	54.1	
794+50		MEDIAN CROSSOVER	371.5	230.0
1261+30		MEDIAN CROSSOVER	371.5	230.0
TOTALS:			3295.0	460.0

NOTE: EARTHWORK QUANTITIES SHOWN ABOVE SHALL BE PAID AS PLAN QUANTITY.

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177	51	104	

② QUANTITIES



EROSION CONTROL

LOCATION	SEEDING	LIME	MULCH COVER	WATER	SAND BAG DITCH CHECK	DROP INLET SILT FENCE	*SEDIMENT REMOVAL & DISPOSAL
	ACRE	TON	ACRE	M.GAL.	(E-5) BAG	(E-7) LIN. FT.	CU. YD.
ENTIRE PROJECT					2200	4224	156
*ENTIRE PROJECT - IF AND WHERE DIRECTED BY THE ENGINEER	7.00	14.00	7.00	714.0	924	944	35
TOTALS:	7.00	14.00	7.00	714.0	3124	5168	191

BASIS OF ESTIMATE:
 SAND BAG DITCH CHECKS...22 BAGS / LOCATION
 DROP INLET SILT FENCE.....16 LIN. FT. / LOCATION
 LIME.....2 TONS/ACRE OF SEEDING
 WATER...102 M.GAL./ACRE OF SEEDING

NOTE: THE TEMPORARY EROSION CONTROL DEVICES SHOWN ABOVE AND ON THE PLANS SHALL BE INSTALLED IN SUCH A SEQUENCE AS TO DETER EROSION AND SEDIMENTATION ON U.S. WATERWAYS AS EXPLAINED BY THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT.

*QUANTITIES ARE ESTIMATED.
 SEE SECTION 104.03 OF THE STD. SPECS.

WIRE ROPE SAFETY FENCE

STATION	STATION	LOCATION	LENGTH	*ANCHOR	MAINTENANCE MATERIALS
			LIN. FT.	EACH	LUMP SUM
230+80	256+55	RT. OF L.M.L.	2575	2	
257+86	295+18	RT. OF L.M.L.	3732	2	
296+52	336+62	RT. OF L.M.L.	4010	2	
352+07	425+86	LT. OF R.M.L.	7379	2	
428+85	442+76	RT. OF L.M.L.	1391	2	
444+07	525+85	RT. OF L.M.L.	8178	2	
527+10	49+68	LT. OF R.M.L.	12389	2	
53+68	116+53	RT. OF L.M.L.	6285	2	
386+75	492+77	LT. OF R.M.L.	10602	2	
494+00	537+85	LT. OF R.M.L.	4385	2	
540+25	569+67	LT. OF R.M.L.	2942	2	
570+96	710+60	LT. OF R.M.L.	13964	2	
712+92	794+55	LT. OF R.M.L.	8163	2	
794+45	819+67	RT. OF L.M.L.	2522	2	
821+01	891+00	LT. OF R.M.L.	6999	2	
892+13	987+00	RT. OF L.M.L.	9491	2	
988+44	1041+10	RT. OF L.M.L.	5266	2	
1042+40	1220+91	RT. OF L.M.L.	17851	2	
1222+22	1261+40	LT. OF R.M.L.	3918	2	
1261+30	1335+00	RT. OF L.M.L.	7370	2	
1336+45	1441+68	LT. OF R.M.L.	10523	2	
1443+00	1552+42	LT. OF R.M.L.	10942	2	
1553+72	1614+65	LT. OF R.M.L.	6093	2	
1616+10	1700+00	RT. OF L.M.L.	8390	2	
1816+90	1830+00	LT. OF R.M.L.	1310	2	
1990+00	2026+15	LT. OF R.M.L.	3615	2	
2028+45	2094+91	LT. OF R.M.L.	6646	2	
2096+21	2124+00	LT. OF R.M.L.	2779	2	
2634+56	2755+72	LT. OF R.M.L.	10529	2	
2758+15	2774+50	LT. OF R.M.L.	1635	2	
2777+48	2868+25	RT. OF L.M.L.	9077	2	
2868+60	2896+48	LT. OF R.M.L.	2788	2	
ENTIRE PROJECT					1.00
TOTALS:			213739	64	1.00

1)EQUATION: 601+31.4 BK. = 0+00.0 AHD.
 2)EQUATION: 934+45.7 BK. = 934+41.5 AHD.
 3)EQUATION: 2732+56.60 BK. = 2748+43.60 AHD.
 *NOTE: THIS ITEM SHOWN FOR INFORMATION ONLY.

CONCRETE DITCH PAVING

STATION	STATION	LOCATION	LENGTH	WIDTH	(TYPE B)	SOLID SODDNG	WATER
			LIN. FT.	FEET	SQ. YD.	M. GAL.	
232+07	255+82	RT. OF L.M.L.	2375	4	1055.6	527.8	6.7
261+27	294+46	RT. OF L.M.L.	3319	4	1475.1	737.6	9.3
299+90	335+92	RT. OF L.M.L.	3602	4	1600.9	800.5	10.1
352+77	426+03	LT. OF R.M.L.	7326	4	3256.0	1628.0	20.5
428+66	442+05	RT. OF L.M.L.	1339	4	595.1	297.6	3.7
447+49	525+13	RT. OF L.M.L.	7764	4	3450.7	1725.4	21.7
527+93	48+96	LT. OF R.M.L.	12234	4	5437.3	2718.7	34.3
57+08	116+53	RT. OF L.M.L.	5945	4	2642.2	1321.1	16.6
387+47	489+30	LT. OF R.M.L.	10183	4	4525.8	2262.9	28.5
494+72	534+74	LT. OF R.M.L.	4002	4	1778.7	889.4	11.2
534+74	537+85	LT. OF R.M.L.	311	4	138.2	69.1	0.9
540+25	566+24	LT. OF R.M.L.	2599	4	1155.1	577.6	7.3
571+68	708+32	LT. OF R.M.L.	13664	4	6072.9	3036.5	38.3
713+53	794+55	LT. OF R.M.L.	8102	4	3600.9	1800.5	22.7
794+45	818+94	RT. OF L.M.L.	2449	4	1088.4	544.2	6.9
821+73	887+90	LT. OF R.M.L.	6617	4	2940.9	1470.5	18.5
887+90	891+00	LT. OF R.M.L.	310	4	137.8	68.9	0.9
892+13	895+23	RT. OF L.M.L.	310	4	137.8	68.9	0.9
895+23	986+42	RT. OF L.M.L.	9123	4	4054.7	2027.4	25.5
991+87	1040+39	RT. OF L.M.L.	4852	4	2156.4	1078.2	13.6
1045+82	1220+19	RT. OF L.M.L.	17437	4	7749.8	3874.9	48.8
1222+95	1261+41	LT. OF R.M.L.	3846	4	1709.3	854.7	10.8
1261+29	1334+29	RT. OF L.M.L.	7300	4	3244.4	1622.2	20.4
1337+18	1438+29	LT. OF R.M.L.	10111	4	4493.8	2246.9	28.3
1443+71	1549+00	LT. OF R.M.L.	10529	4	4679.6	2339.8	29.5
1554+45	1611+55	LT. OF R.M.L.	5710	4	2537.8	1268.9	16.0
1611+55	1614+65	LT. OF R.M.L.	310	4	137.8	68.9	0.9
1616+10	1619+31	RT. OF L.M.L.	321	4	142.7	71.4	0.9
1619+31	1700+00	RT. OF L.M.L.	8069	4	3586.2	1793.1	22.6
1816+90	1830+00	LT. OF R.M.L.	1310	4	582.2	291.1	3.7
1990+00	2023+72	LT. OF R.M.L.	3372	4	1498.7	749.4	9.4
2029+18	2090+49	LT. OF R.M.L.	6131	4	2724.9	1362.5	17.2
2096+94	2124+00	LT. OF R.M.L.	2706	4	1202.7	601.4	7.6
2635+30	2753+18	LT. OF R.M.L.	10201	4	4533.8	2266.9	28.6
2758+87	2771+40	LT. OF R.M.L.	1253	4	556.9	278.5	3.5
2771+40	2774+50	LT. OF R.M.L.	310	4	137.8	68.9	0.9
2777+48	2780+58	RT. OF L.M.L.	310	4	137.8	68.9	0.9
2780+58	2868+25	RT. OF L.M.L.	8767	4	3896.4	1948.2	24.5
2868+60	2893+10	LT. OF R.M.L.	2450	4	1088.9	544.5	6.9
TOTALS:					91942.0	45971.9	579.5

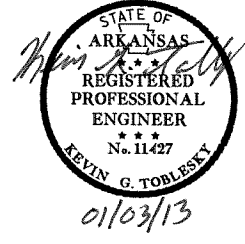
1)EQUATION: STA. 601+31.4 BK. = STA. 0+00.0 AHD.
 2)EQUATION: STA. 934+45.7 BK. = STA. 934+41.5 AHD.
 3)EQUATION: STA. 2732+56.60 BK. = STA. 2748+43.60 AHD.
 BASIS OF ESTIMATE:
 WATER.....12.6 GAL. / SQ. YD. OF SOLID SODDNG

QUANTITIES



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		52	104
				JOB NO.	012177		52	104

2 QUANTITIES



BASE AND SURFACING (BOX 1 OF 2)

STATION	STATION	LOCATION	LENGTH FEET	AGGREGATE BASE COURSE (CLASS 7)		ACHM SURFACE COURSE (1/2")			
				TON / STATION	TON	AVG. WID. FEET	SQ. YD.	POUND / SQ. YD.	PG 64-22 TON
255+46	255+94	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
256+94	256+79	GUARDRAIL WIDENING RT. OF L.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4
257+45	257+55	GUARDRAIL WIDENING RT. OF L.M.L.	76.0	35.00	28.6	7.50	63.3	220	7.0
257+55	261+14	GUARDRAIL WIDENING RT. OF L.M.L.	359.0	40.75	146.3	10.00	398.9	220	43.9
261+14	261+62	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
264+10	264+58	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
264+58	265+43	GUARDRAIL WIDENING RT. OF L.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4
265+43	266+19	GUARDRAIL WIDENING RT. OF L.M.L.	76.0	35.00	28.6	7.50	63.3	220	7.0
266+19	269+78	GUARDRAIL WIDENING RT. OF L.M.L.	359.0	40.75	146.3	10.00	398.9	220	43.9
269+78	300+26	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
300+26	336+05	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
336+05	336+90	GUARDRAIL WIDENING RT. OF L.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4
336+90	356+60	GUARDRAIL WIDENING RT. OF L.M.L.	186.0	35.00	65.0	7.50	155.0	220	17.5
356+60	356+83	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	35.00	11.8	3.75	13.8	220	1.5
356+83	442+16	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
442+16	443+01	GUARDRAIL WIDENING RT. OF L.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4
443+01	443+77	GUARDRAIL WIDENING RT. OF L.M.L.	76.0	35.00	26.6	7.50	63.3	220	7.0
443+77	447+56	GUARDRAIL WIDENING RT. OF L.M.L.	359.0	40.75	146.3	10.00	398.9	220	43.9
447+56	447+84	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
447+84	525+25	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
525+25	526+10	GUARDRAIL WIDENING RT. OF L.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4
526+10	530+78	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
530+78	51+40	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
51+40	53+40	GUARDRAIL WIDENING RT. OF L.M.L.	167.0	35.00	58.5	7.50	139.2	220	15.3
53+40	56+93	GUARDRAIL WIDENING RT. OF L.M.L.	353.0	40.75	143.8	10.00	392.2	220	43.1
56+93	57+41	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
57+41	251+48	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
251+48	251+48	GUARDRAIL WIDENING RT. OF L.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7
251+48	256+68	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
256+68	257+01	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
257+01	384+85	GUARDRAIL WIDENING RT. OF L.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7
384+85	390+05	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
390+05	390+38	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
390+38	492+17	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
492+17	497+37	GUARDRAIL WIDENING RT. OF L.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7
497+37	497+70	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
497+70	569+04	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
569+04	574+24	GUARDRAIL WIDENING RT. OF L.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7
574+24	710+80	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
710+80	710+80	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
710+80	716+10	GUARDRAIL WIDENING RT. OF L.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7
716+10	819+03	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	40.75	13.4	10.00	36.7	220	4.0
819+03	819+03	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	5.00	26.7	220	2.9
819+03	819+88	GUARDRAIL WIDENING RT. OF L.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4
819+88	824+23	GUARDRAIL WIDENING RT. OF L.M.L.	455.0	35.00	152.3	7.50	362.5	220	39.9
824+23	824+56	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
824+56	986+54	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
986+54	987+39	GUARDRAIL WIDENING RT. OF L.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4
987+39	988+15	GUARDRAIL WIDENING RT. OF L.M.L.	76.0	35.00	26.6	7.50	63.3	220	7.0
988+15	991+74	GUARDRAIL WIDENING RT. OF L.M.L.	359.0	40.75	146.3	10.00	398.9	220	43.9
991+74	992+22	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
992+22	1040+48	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
1040+48	1041+33	GUARDRAIL WIDENING RT. OF L.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4
1041+33	1042+09	GUARDRAIL WIDENING RT. OF L.M.L.	76.0	35.00	26.6	7.50	63.3	220	7.0
1042+09	1045+68	GUARDRAIL WIDENING RT. OF L.M.L.	359.0	35.00	125.7	6.00	239.3	220	26.3
1045+68	1046+16	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
1046+16	1220+31	GUARDRAIL WIDENING RT. OF L.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5
1220+31	1221+16	GUARDRAIL WIDENING RT. OF L.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4
1221+16	1225+51	GUARDRAIL WIDENING RT. OF L.M.L.	435.0	35.00	152.3	7.50	362.5	220	39.9
1225+51	1225+84	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
1225+84	1334+17	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	31.13	10.3	6.00	22.0	220	2.4
1334+17	1336+95	GUARDRAIL WIDENING RT. OF L.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4
1336+95	1339+70	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	35.00	152.3	7.50	362.5	220	39.9
1339+70	1340+03	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.75	9.5	3.75	13.8	220	1.5
1340+03	1441+07	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
1441+07	1448+27	GUARDRAIL WIDENING RT. OF L.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7
1448+27	1448+60	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
1448+60	1551+78	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
1551+78	1556+98	GUARDRAIL WIDENING RT. OF L.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7
1556+98	1557+31	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
1557+31	2026+73	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
2026+73	2031+63	GUARDRAIL WIDENING RT. OF L.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7
2031+63	2032+28	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
2032+28	2094+49	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
2094+49	2099+69	GUARDRAIL WIDENING RT. OF L.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7
2099+69	2100+02	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
2100+02	2632+64	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
2632+64	2637+84	GUARDRAIL WIDENING RT. OF L.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7
2637+84	2638+17	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
2638+17	2756+79	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
2756+79	2761+57	GUARDRAIL WIDENING RT. OF L.M.L.	545.0	35.00	190.8	7.50	454.2	220	50.0
2761+57	2761+90	GUARDRAIL WIDENING RT. OF L.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5
SUBTOTALS (BOX 1):					5164.0		12320.0		1355.2

BASIS OF ESTIMATE:
 ACHM SURFACE COURSE (1/2") 94.7% MIN. AGGR. 5.3% ASPHALT BINDER
 MAXIMUM NUMBER OF GRATIONS = 115 FOR PG 64-22

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		53	104

2 QUANTITIES



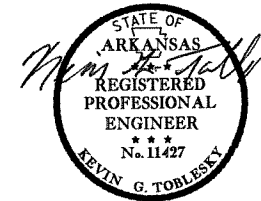
BASE AND SURFACING (BOX 2 OF 2)

STATION	STATION	LOCATION	LENGTH		AGGREGATE BASE COURSE (CLASS 7)		ACHM SURFACE COURSE (1/2")			
			FEET	TON / STATION	TON	AVG. WID. FEET	SQ. YD.	FOUND. SQ. YD.	PG 64-22 TON	
252+95	253+28	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
253+28	258+48	GUARDRAIL WIDENING - LT. OF R.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7	
258+48	288+81	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
291+59	291+92	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
297+12	297+45	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
332+77	333+10	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
333+10	351+82	GUARDRAIL WIDENING - LT. OF R.M.L.	1872.0	35.00	655.2	7.50	1560.0	220	171.6	
351+82	352+67	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
352+67	353+15	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
439+15	439+48	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
439+48	444+68	GUARDRAIL WIDENING - LT. OF R.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7	
444+68	445+01	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
522+14	522+47	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
522+47	526+82	GUARDRAIL WIDENING - LT. OF R.M.L.	435.0	35.00	152.3	7.50	362.5	220	39.9	
526+82	527+67	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
527+67	528+15	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
49+08	49+08	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
49+08	49+93	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
49+93	54+28	GUARDRAIL WIDENING - LT. OF R.M.L.	435.0	35.00	152.3	7.50	362.5	220	39.9	
54+28	54+61	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
381+77	382+10	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
382+10	386+45	GUARDRAIL WIDENING - LT. OF R.M.L.	435.0	35.00	152.3	7.50	362.5	220	39.9	
386+45	387+30	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
387+30	387+78	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
488+94	489+42	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	40.75	19.6	6.00	32.0	220	3.5	
489+42	489+01	GUARDRAIL WIDENING - LT. OF R.M.L.	359.0	40.75	146.3	10.00	368.9	220	43.9	
493+01	493+77	GUARDRAIL WIDENING - LT. OF R.M.L.	76.0	35.00	26.6	7.50	63.3	220	7.0	
493+77	494+62	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
494+62	495+10	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
566+88	566+36	GUARDRAIL WIDENING - LT. OF R.M.L.	359.0	40.75	146.3	10.00	368.9	220	43.9	
566+36	569+85	GUARDRAIL WIDENING - LT. OF R.M.L.	76.0	35.00	26.6	7.50	63.3	220	7.0	
569+85	570+71	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
570+71	571+56	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
571+56	572+04	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
708+33	708+33	GUARDRAIL WIDENING - LT. OF R.M.L.	359.0	40.75	146.3	10.00	368.9	220	43.9	
711+92	712+68	GUARDRAIL WIDENING - LT. OF R.M.L.	76.0	35.00	26.6	7.50	63.3	220	7.0	
712+68	713+53	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
713+53	714+01	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	28.25	13.6	2.00	20.0	220	2.2	
816+08	816+41	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
816+41	820+76	GUARDRAIL WIDENING - LT. OF R.M.L.	435.0	35.00	152.3	7.50	362.5	220	39.9	
820+76	821+61	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
821+61	822+09	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
863+51	863+84	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
863+84	869+04	GUARDRAIL WIDENING - LT. OF R.M.L.	520.0	35.00	182.0	7.50	433.3	220	47.7	
869+04	869+37	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
1037+47	1037+80	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
1037+80	1043+00	GUARDRAIL WIDENING - LT. OF R.M.L.	520.0	25.00	130.0	7.50	433.3	220	47.7	
1043+00	1043+33	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
1217+27	1217+60	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
1217+60	1221+85	GUARDRAIL WIDENING - LT. OF R.M.L.	435.0	35.00	152.3	7.50	362.5	220	39.9	
1221+85	1222+80	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
1222+80	1223+28	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
1331+53	1331+86	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.75	13.8	220	1.5	
1331+86	1336+21	GUARDRAIL WIDENING - LT. OF R.M.L.	435.0	35.00	152.3	7.50	362.5	220	39.9	
1336+21	1337+06	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
1337+06	1337+54	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
1437+97	1438+45	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
1438+45	1442+04	GUARDRAIL WIDENING - LT. OF R.M.L.	359.0	40.75	146.3	10.00	368.9	220	43.9	
1442+04	1442+80	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
1442+80	1443+65	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
1443+65	1444+13	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
1548+64	1549+12	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
1549+12	1552+71	GUARDRAIL WIDENING - LT. OF R.M.L.	359.0	40.75	146.3	10.00	368.9	220	43.9	
1552+71	1553+47	GUARDRAIL WIDENING - LT. OF R.M.L.	76.0	35.00	26.6	7.50	63.3	220	7.0	
1553+47	1554+32	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
2023+36	2023+84	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
2023+84	2027+43	GUARDRAIL WIDENING - LT. OF R.M.L.	359.0	40.75	146.3	10.00	368.9	220	43.9	
2027+43	2028+19	GUARDRAIL WIDENING - LT. OF R.M.L.	76.0	35.00	26.6	7.50	63.3	220	7.0	
2028+19	2029+04	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
2029+04	2029+52	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
2091+12	2091+60	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
2091+60	2095+19	GUARDRAIL WIDENING - LT. OF R.M.L.	359.0	40.75	146.3	10.00	368.9	220	43.9	
2095+19	2095+95	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
2095+95	2096+80	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
2096+80	2097+28	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
2629+55	2629+88	GUARDRAIL WIDENING - LT. OF R.M.L.	33.0	28.25	9.3	3.80	13.9	220	1.5	
2629+88	2634+23	GUARDRAIL WIDENING - LT. OF R.M.L.	435.0	35.00	152.3	7.50	362.5	220	39.9	
2634+23	2635+08	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
2635+08	2635+56	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
2752+82	2753+30	GUARDRAIL WIDENING - LT. OF R.M.L.	359.0	40.75	146.3	10.00	368.9	220	43.9	
2753+30	2756+89	GUARDRAIL WIDENING - LT. OF R.M.L.	76.0	35.00	26.6	7.50	63.3	220	7.0	
2756+89	2757+65	GUARDRAIL WIDENING - LT. OF R.M.L.	85.0	40.75	34.6	10.00	94.4	220	10.4	
2757+65	2758+50	GUARDRAIL WIDENING - LT. OF R.M.L.	48.0	31.13	14.9	6.00	32.0	220	3.5	
2758+50	2758+98	GUARDRAIL WIDENING - LT. OF R.M.L.	84.9	85.00	72.2	16.00	150.9	220	16.6	
794+50		MEDIAN CROSSOVER	84.9	85.00	72.2	16.00	150.9	220	16.6	
1261+30		MEDIAN CROSSOVER								
SUBTOTALS (BOX 2):					5168.9		12778.3		1405.9	
SUBTOTALS (BOX 2):					5164.0		12320.0		1355.2	
TOTALS:					10352.9		25098.3		2761.1	

BASIS OF ESTIMATE:
 ACHM SURFACE COURSE (1/2").....94.7% MIN. AGGR.....5.3% ASPHALT BINDER
 MAXIMUM NUMBER OF GYRATIONS = 115 FOR PG 64-22

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
							54	104

② SUMMARY OF QUANTITIES & REVISIONS



SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
SP	REMOVAL AND DISPOSAL OF IMPACT ATTENUATION BARRIER	47	EACH
202	REMOVAL AND DISPOSAL OF PIPE CULVERTS	1	EACH
210	UNCLASSIFIED EXCAVATION	3295	CU. YD.
210	COMPACTED EMBANKMENT	460	CU. YD.
SS & 303	AGGREGATE BASE COURSE (CLASS 7)	10353	TON
SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	2615	TON
SP, SS, & 407	ASPHALT BINDER (PG 64-22) IN ACHM SURFACE COURSE (1/2")	146	TON
601	MOBILIZATION	1.00	LUMP SUM
SP, SS, & 603	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
SS & 604	SIGNS	780	SQ. FT.
SS & 604	TRAFFIC DRUMS	494	EACH
SS & 604	ADVANCE WARNING ARROW PANEL	150	DAY
SP, SS, & 604	PORTABLE CHANGEABLE MESSAGE SIGN	156	WEEK
SP & 605	CONCRETE DITCH PAVING (TYPE B)	91942	SQ. YD.
SP, SS & 606	18" SIDE DRAIN	52	LIN. FT.
SS & 617	GUARDRAIL (TYPE A)	22250	LIN. FT.
SS & 617	TERMINAL ANCHOR POSTS (TYPE 1)	43	EACH
SS & 617	GUARDRAIL TERMINAL (TYPE 2)	43	EACH
SP	WIRE ROPE SAFETY FENCE	213739	LIN. FT.
SP	WIRE ROPE SAFETY FENCE MAINTENANCE MATERIALS	1.00	LUMP SUM
620	LIME	14	TON
620	SEEDING	7.00	ACRE
620	MULCH COVER	7.00	ACRE
SS & 620	WATER	1293.5	M.GAL.
621	SAND BAG DITCH CHECKS	3124	BAG
621	DROP INLET SILT FENCE	5168	LIN. FT.
621	SEDIMENT REMOVAL AND DISPOSAL	191	CU. YD.
624	SOLID SODDING	45972	SQ. YD.
635	ROADWAY CONSTRUCTION CONTROL	1.00	LUMP SUM

REVISIONS

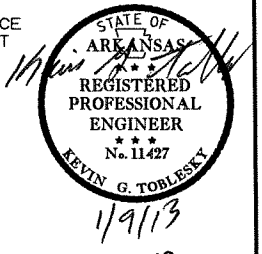
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177	56	104	

2 PLAN SHEETS - STA. 275+00 TO STA. 335+00



STA. 279+00 - IN PLACE
 6' x 6' x 200' R.C. PIPE CULVERT
 D.A. = 1000 AC, D.A. = 0.2
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 4' x H= 6'-0" 2 OPENINGS
 RETAIN

STA. 291+00 - IN PLACE
 24' x 84' R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H= 3'-0" 2 OPENINGS
 RETAIN

STA. 294+50 CL MEDIAN - IN PLACE
 5' x 3' x 352' R.C. BOX CULVERT
 RETAIN

STA. 303+90 CL MEDIAN - IN PLACE
 4' x 3' x 352' R.C. BOX CULVERT
 RETAIN

GUARDRAIL INSTALLATION

GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 292+02 TO STA. 297+02 LT. OF R.M.L. = 450 LF.	1 EACH	1 EACH
STA. 294+67 TO STA. 299+67 RT. OF L.M.L. = 450 LF.	1 EACH	1 EACH

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN

STA. 295+69 TO STA. 295+95 RT. OF R.M.L. = 26 L.F.
 STA. 295+75 TO STA. 296+00 LT. OF L.M.L. = 25 L.F.
 STA. 295+73 TO STA. 295+89 MEDIAN = 31 L.F.

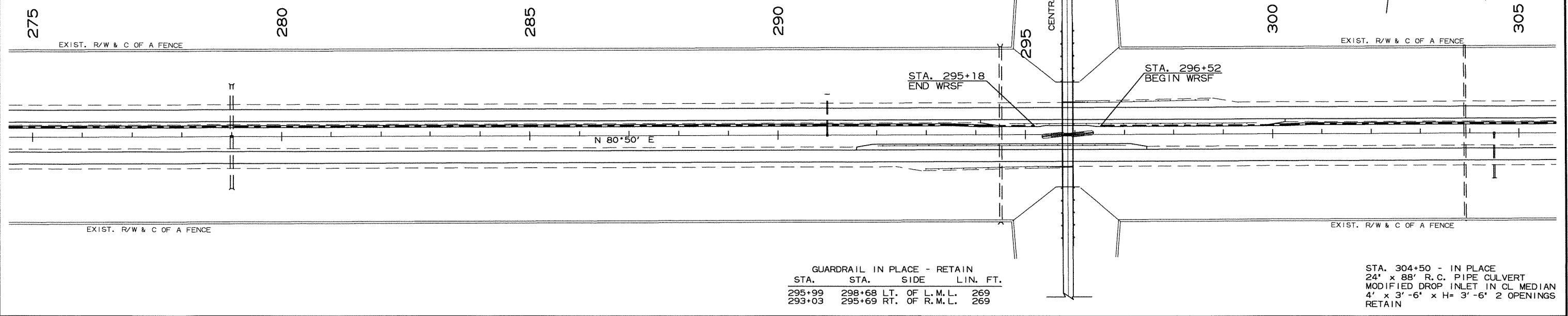
REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS

STA. 295+73 MEDIAN = 1 EACH
 STA. 295+89 MEDIAN = 1 EACH

GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
295+99	298+68	LT. OF L.M.L.	269
293+03	295+69	RT. OF R.M.L.	269

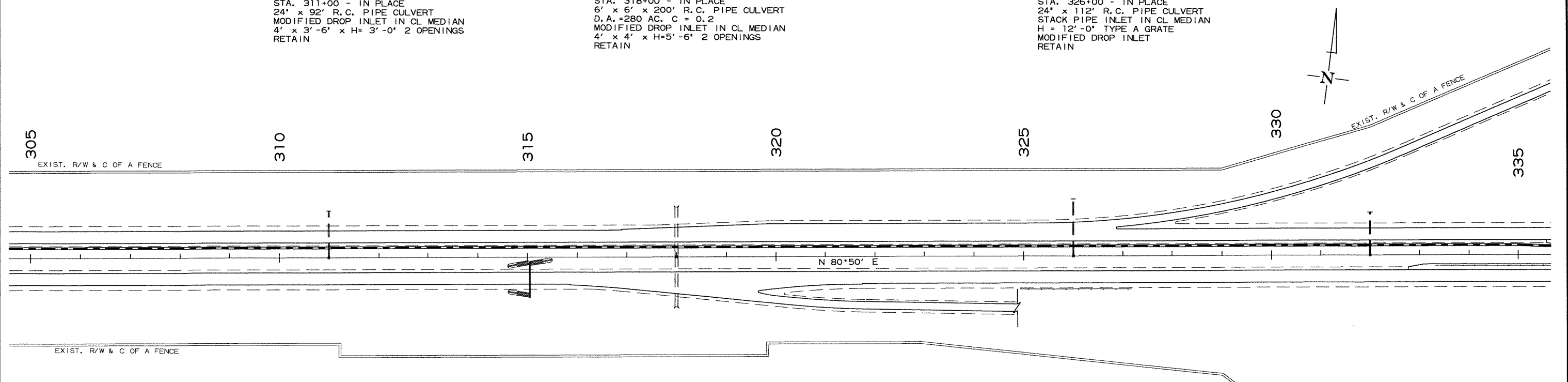
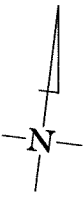
STA. 304+50 - IN PLACE
 24' x 88' R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H= 3'-6" 2 OPENINGS
 RETAIN



STA. 311+00 - IN PLACE
 24' x 92' R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H= 3'-0" 2 OPENINGS
 RETAIN

STA. 318+00 - IN PLACE
 6' x 6' x 200' R.C. PIPE CULVERT
 D.A. = 280 AC, C = 0.2
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 4' x H= 5'-6" 2 OPENINGS
 RETAIN

STA. 326+00 - IN PLACE
 24' x 112' R.C. PIPE CULVERT
 STACK PIPE INLET IN CL MEDIAN
 H = 12'-0" TYPE A GRATE
 MODIFIED DROP INLET
 RETAIN



IMPACT ATTENUATION BARRIERS IN PLACE - RETAIN

STA. 314+84 LT. OF R.M.L. = 1 EACH
 STA. 314+84 RT. OF R.M.L. = 1 EACH
 STA. 315+28 LT. OF R.M.L. = 1 EACH

STA. 315+05 IN PLACE
 OVERHEAD SIGN
 RETAIN

STA. 332+00 - IN PLACE
 24' x 84' R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H = 3'-0" 1 OPENING
 RETAIN

PLAN SHEETS - STA. 275+00 TO STA. 335+00

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CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN

STA. 337+20 TO STA. 337+37 MEDIAN = 34 L.F.
 STA. 344+09 TO STA. 345+09 MEDIAN = 200 L.F.
 STA. 351+33 TO STA. 351+50 MEDIAN = 34 L.F.

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS

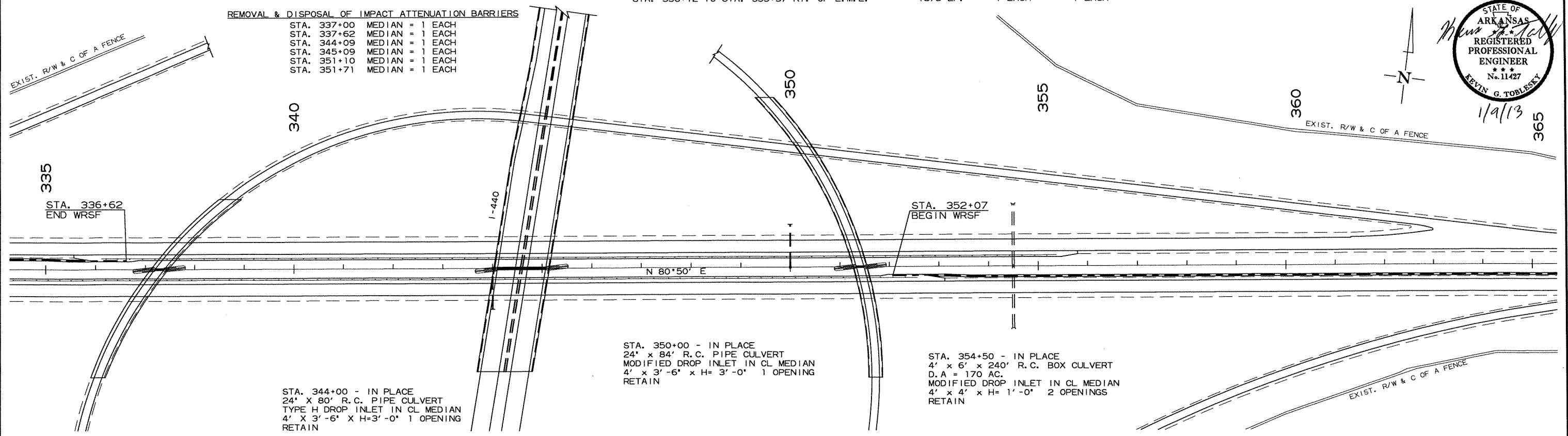
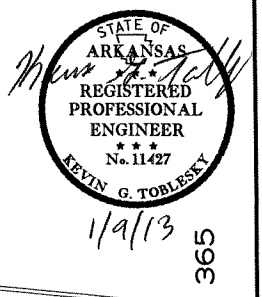
STA. 337+00 MEDIAN = 1 EACH
 STA. 337+62 MEDIAN = 1 EACH
 STA. 344+09 MEDIAN = 1 EACH
 STA. 345+09 MEDIAN = 1 EACH
 STA. 351+10 MEDIAN = 1 EACH
 STA. 351+71 MEDIAN = 1 EACH

GUARDRAIL INSTALLATION

STA. 333+32 TO STA. 352+57 LT. OF R.M.L. =
 STA. 336+12 TO STA. 355+37 RT. OF L.M.L. =

GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
1875 LF.	1 EACH	1 EACH
1875 LF.	1 EACH	1 EACH

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		57	104
							JOB NO. 012177 PLAN SHEETS - STA. 335+00 TO STA. 395+00	



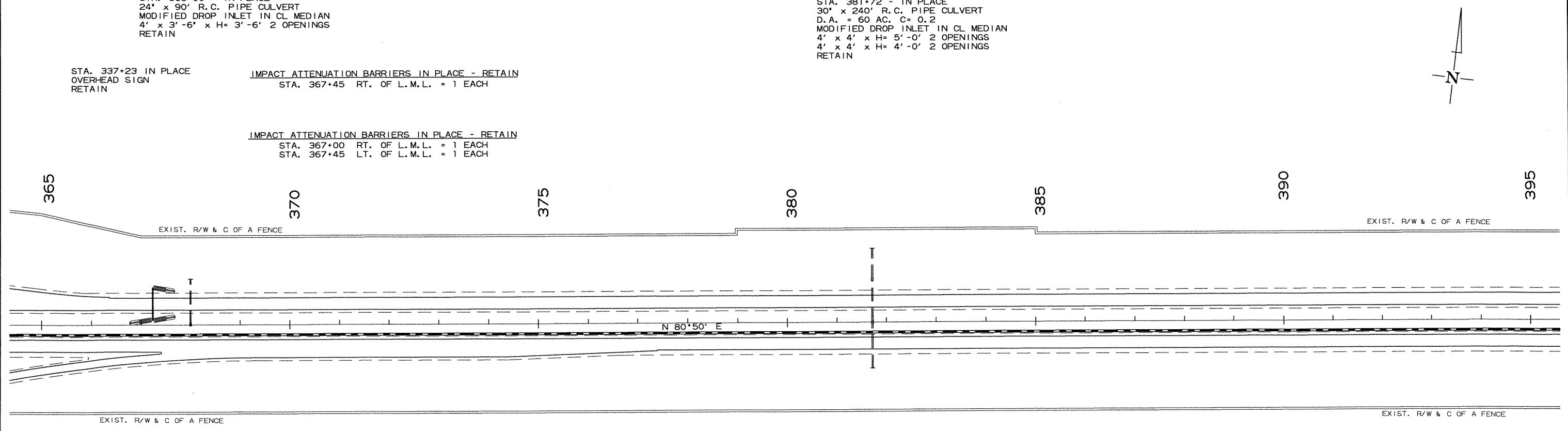
STA. 368+00 - IN PLACE
 24' x 90' R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H= 3'-6" 2 OPENINGS
 RETAIN

STA. 337+23 IN PLACE
 OVERHEAD SIGN
 RETAIN

IMPACT ATTENUATION BARRIERS IN PLACE - RETAIN
 STA. 367+45 RT. OF L.M.L. = 1 EACH

IMPACT ATTENUATION BARRIERS IN PLACE - RETAIN
 STA. 367+00 RT. OF L.M.L. = 1 EACH
 STA. 367+45 LT. OF L.M.L. = 1 EACH

STA. 381+72 - IN PLACE
 30' x 240' R.C. PIPE CULVERT
 D.A. = 60 AC, C= 0.2
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 4' x H= 5'-0" 2 OPENINGS
 4' x 4' x H= 4'-0" 2 OPENINGS
 RETAIN



STA. 402+00 - IN PLACE
 24" x 160' R.C. PIPE CULVERT (EQUALIZER)
 WITH STEEL GRATE ASSEMBLY
 D.A. = 40 AC. C= 0.2
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 4' x H= 3'-0" 2 OPENINGS
 RETAIN

STA. 413+00 - IN PLACE
 24" x 84' R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H= 3'-6" 2 OPENINGS
 RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
							JOB NO. 012177	58 104

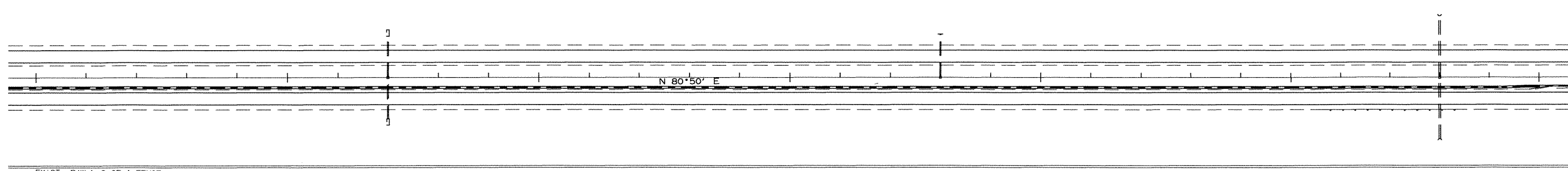
② PLAN SHEETS - STA. 395+00 TO STA. 455+00

STA. 423+00 - IN PLACE
 42" x 244' R.C. PIPE CULVERT
 D.A. = 120 AC. C= 0.2
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 5' x H= 5'-6" 2 OPENINGS
 RETAIN



395 400 405 410 415 420 425

EXIST. R/W & C OF A FENCE



GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
425+35	427+60	LT. OF R.M.L.	225
427+10	429+35	RT. OF L.M.L.	225
427+10	429+35	LT. OF L.M.L.	225

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS
 STA. 443+32 MEDIAN = 1 EACH
 STA. 443+51 MEDIAN = 1 EACH

GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
443+61	446+30	LT. OF L.M.L.	269
440+53	443+22	RT. OF R.M.L.	269

STA. 453+00 - IN PLACE
 24" x 88' R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 4' x H= 3'-0" 2 OPENINGS
 RETAIN

425 430 435 440 445 450 455

STA. 427+35 IN PLACE
 OVERHEAD SIGN
 RETAIN

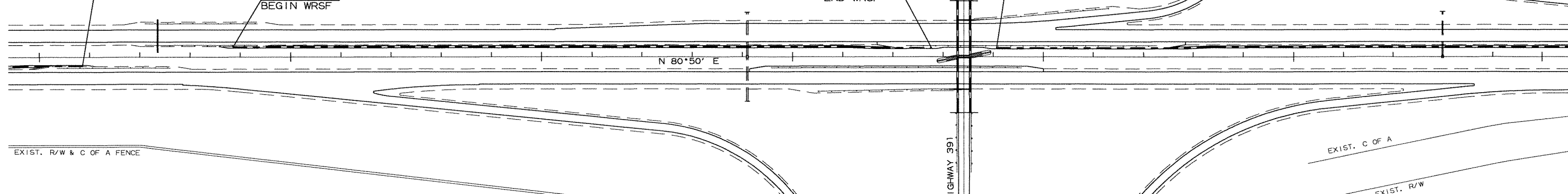
STA. 425+86
 END WRSF

STA. 428+85
 BEGIN WRSF

STA. 442+76
 END WRSF

STA. 444+07
 BEGIN WRSF

EXIST. R/W & C OF A FENCE



GUARDRAIL INSTALLATION

STA.	STA.	SIDE	GUARDRAIL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
439+57	444+57	LT. OF R.M.L.	450 LF.	1 EACH	1 EACH
442+26	447+26	RT. OF L.M.L.	450 LF.	1 EACH	1 EACH

STA. 439+10 - IN PLACE
 36" x 172' R.C. PIPE CULVERT
 D.A. = 75 AC. C= 0.2
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 5' x H= 4'-6" 2- OPENINGS
 RETAIN

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN
 STA. 443+22 TO STA. 443+52 RT. OF R.M.L. = 30 L.F.
 STA. 443+32 TO STA. 443+62 LT. OF L.M.L. = 30 L.F.
 STA. 443+32 TO STA. 443+51 MEDIAN = 37 L.F.

PLAN SHEETS - STA. 395+00 TO STA. 455+00

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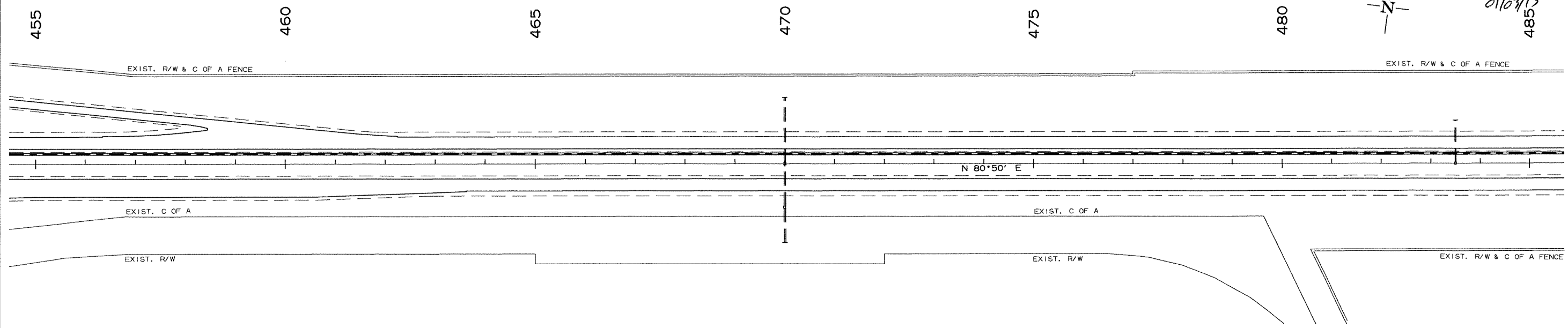
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STA. 470+00 - IN PLACE
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 5' x H= 8' - 0" 2 OPENINGS
 MODIFIED DROP INLET IN RT. MEDIAN
 4' x 5' x H= 5'-6" 2' OPENINGS
 36' x 288' R.C. PIPE EQUALIZER
 RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		59	104

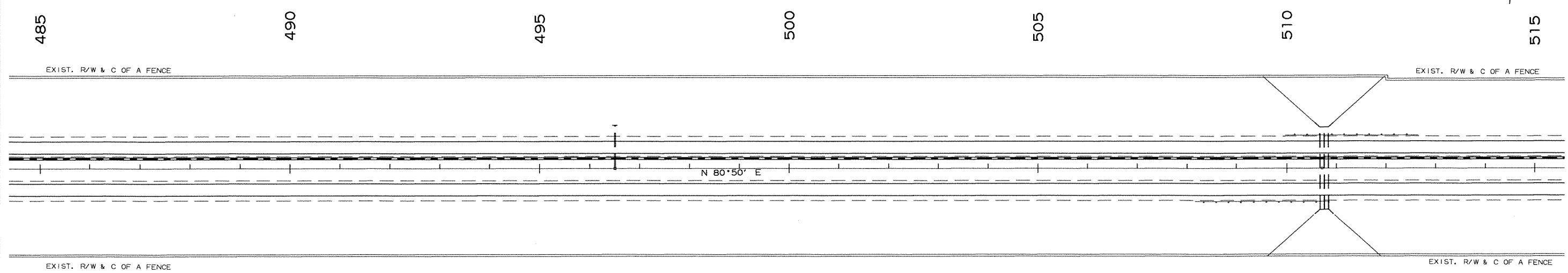
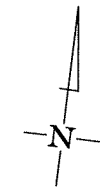
2 PLAN SHEETS - STA. 455+00 TO STA. 515+00

STA. 483+50 - IN PLACE
 24' x 84' R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H= 3'-0" 2 OPENINGS
 RETAIN



STA. 496+50 - IN PLACE
 24' x 84' R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H= 3'-0" 2 OPENINGS
 RETAIN

STA. 510+75 - IN PLACE
 DBL. 8' x 10' x 164' R.C. BOX CULVERT
 D.A. = 5 SQ. MI. C= 0.3
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 4' x H= 1'-6" 2 OPENINGS
 RETAIN



GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
508+16	510+85	RT. OF R.M.L.	269
509+96	512+65	LT. OF L.M.L.	269

PLAN SHEETS - STA. 455+00 TO STA. 515+00

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STA. 526+00 - IN PLACE
 24" x 76" R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H= 3'-0" 2 OPENINGS
 RETAIN

STA. 533+00 - IN PLACE
 24" x 80" R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H= 3'-0" 1 OPENING
 RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		60	104

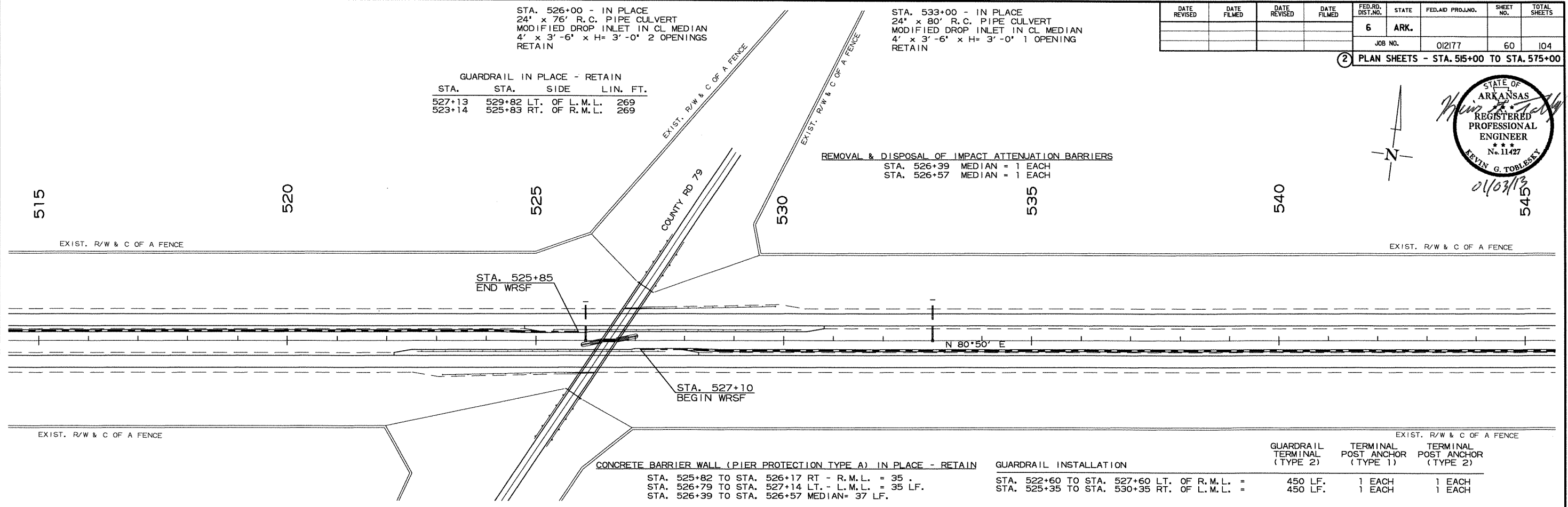
② PLAN SHEETS - STA. 515+00 TO STA. 575+00



GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
527+13	529+82	LT. OF L.M.L.	269
523+14	525+83	RT. OF R.M.L.	269

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS
 STA. 526+39 MEDIAN = 1 EACH
 STA. 526+57 MEDIAN = 1 EACH

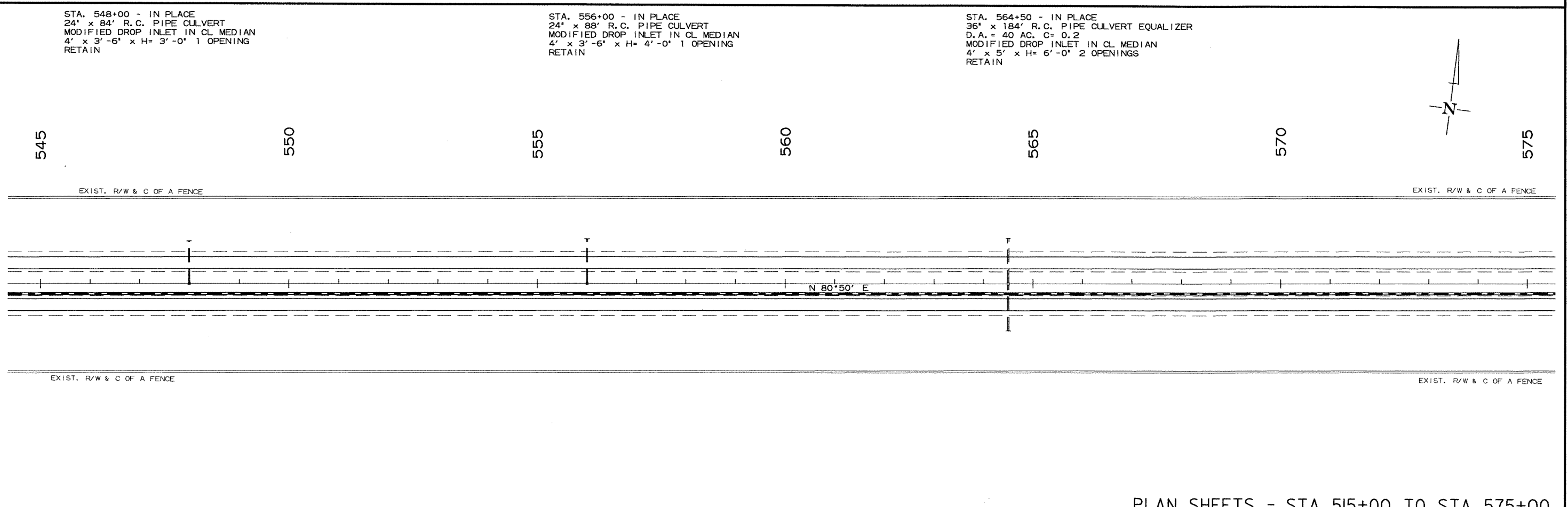


CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN	GUARDRAIL INSTALLATION	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 525+82 TO STA. 526+17 RT - R.M.L. = 35 LF.	STA. 522+60 TO STA. 527+60 LT. OF R.M.L. = 450 LF.	450 LF.	1 EACH	1 EACH
STA. 526+79 TO STA. 527+14 LT. - L.M.L. = 35 LF.	STA. 525+35 TO STA. 530+35 RT. OF L.M.L. = 450 LF.	450 LF.	1 EACH	1 EACH
STA. 526+39 TO STA. 526+57 MEDIAN = 37 LF.				

STA. 548+00 - IN PLACE
 24" x 84" R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H= 3'-0" 1 OPENING
 RETAIN

STA. 556+00 - IN PLACE
 24" x 88" R.C. PIPE CULVERT
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 3'-6" x H= 4'-0" 1 OPENING
 RETAIN

STA. 564+50 - IN PLACE
 36" x 184" R.C. PIPE CULVERT EQUALIZER
 D.A. = 40 AC. C= 0.2
 MODIFIED DROP INLET IN CL MEDIAN
 4' x 5' x H= 6'-0" 2 OPENINGS
 RETAIN



PLAN SHEETS - STA. 515+00 TO STA. 575+00



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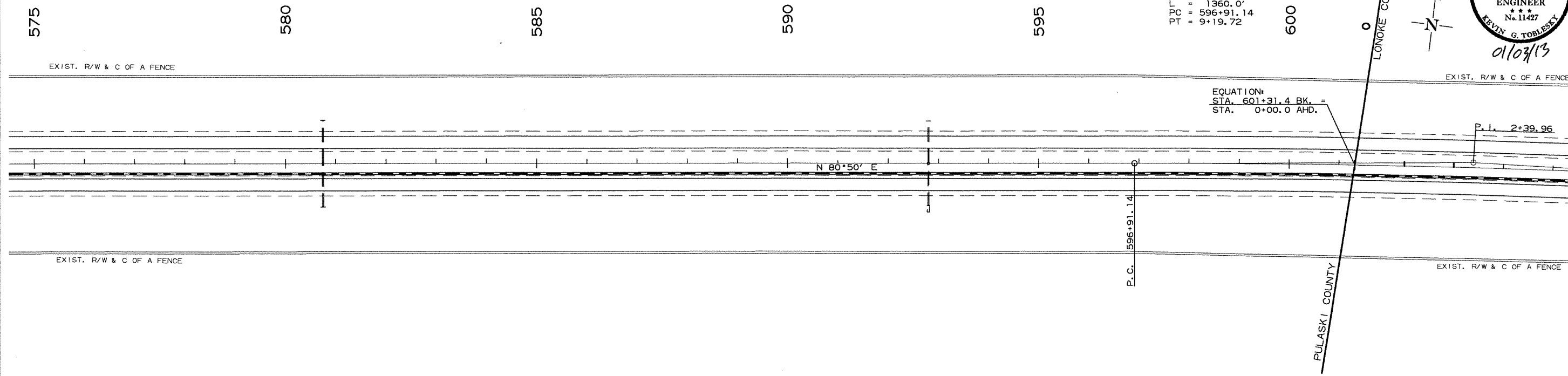
STA. 580+75 - IN PLACE
36' x 168' R.C. PIPE CULVERT
D.A. = 70 AC, C= 0.2
MODIFIED DROP INLET IN CL MEDIAN
4' x 3' x H= 4'-6" 2 OPENINGS
RETAIN

STA. 592+80 - IN PLACE
24' x 164' R.C. PIPE CULVERT
WITH STEEL PIPE GRATE
D.A. = 35 AC, C= 0.2
MODIFIED DROP INLET IN CL MEDIAN
4' x 4' x H= 3'-6" 2 OPENINGS
RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		61	104

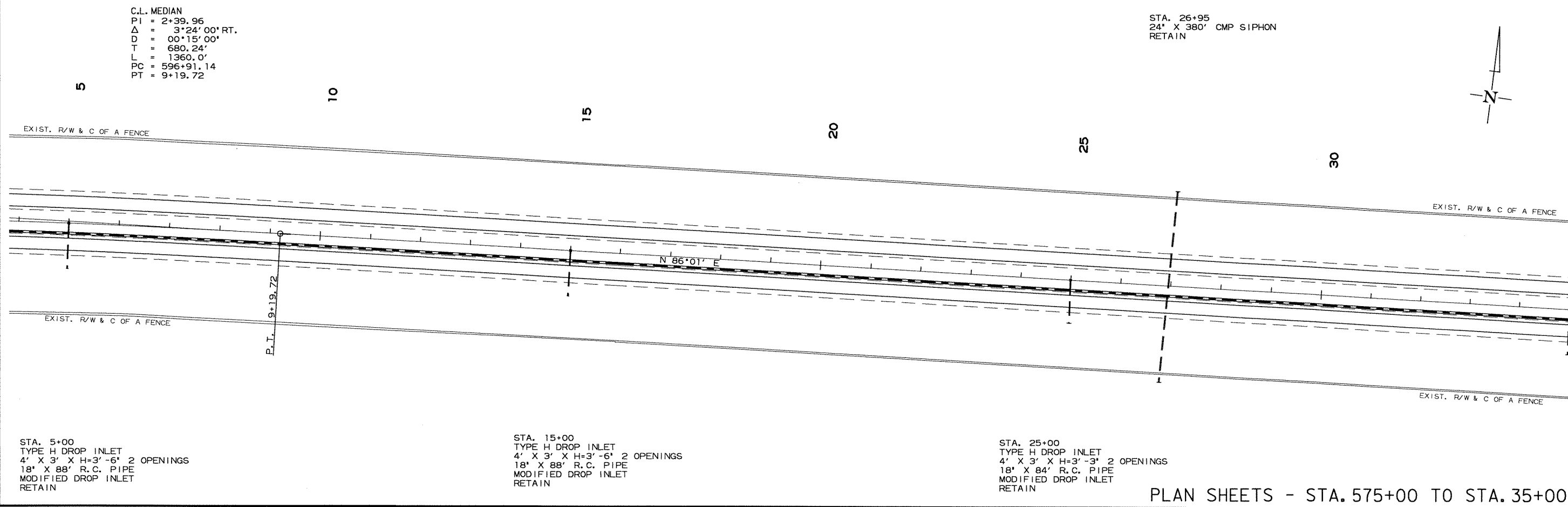
2 PLAN SHEETS - STA. 575+00 TO STA. 35+00

C.L. MEDIAN
PI = 2+39.96
Δ = 3°24'00" RT.
D = 00°15'00"
T = 680.24'
L = 1360.0'
PC = 596+91.14
PT = 9+19.72



C.L. MEDIAN
PI = 2+39.96
Δ = 3°24'00" RT.
D = 00°15'00"
T = 680.24'
L = 1360.0'
PC = 596+91.14
PT = 9+19.72

STA. 26+95
24' X 380' CMP SIPHON
RETAIN



STA. 5+00
TYPE H DROP INLET
4' X 3' X H=3'-6" 2 OPENINGS
18' X 88' R.C. PIPE
MODIFIED DROP INLET
RETAIN

STA. 15+00
TYPE H DROP INLET
4' X 3' X H=3'-6" 2 OPENINGS
18' X 88' R.C. PIPE
MODIFIED DROP INLET
RETAIN

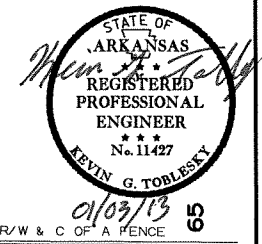
STA. 25+00
TYPE H DROP INLET
4' X 3' X H=3'-3" 2 OPENINGS
18' X 84' R.C. PIPE
MODIFIED DROP INLET
RETAIN

PLAN SHEETS - STA. 575+00 TO STA. 35+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 012177							62	104

2 PLAN SHEETS - STA. 35+00 TO STA. 95+00



STA.	STA.	GUARDRAIL IN PLACE - RETAIN	LIN. FT.
50+09	52+78	RT. OF R.M.L.	269
53+26	55+95	LT. OF L.M.L.	269

GUARDRAIL INSTALLATION	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 49+18 TO STA. 54+18 LT. OF R.M.L. =	450 LF.	1 EACH	1 EACH
STA. 51+86 TO STA. 56+86 RT. OF L.M.L. =	450 LF.	1 EACH	1 EACH

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS	STA.	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 53+11 MEDIAN =	53+11	1 EACH	
STA. 52+93 MEDIAN =	52+93	1 EACH	

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN	STA.	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 52+78 TO STA. 53+06 RT. OF R.M.L. =	52+78	1 EACH	1 EACH
STA. 52+99 TO STA. 53+27 LT. OF L.M.L. =	52+99	1 EACH	1 EACH
STA. 52+93 TO STA. 53+11 MEDIAN =	52+93	1 EACH	1 EACH

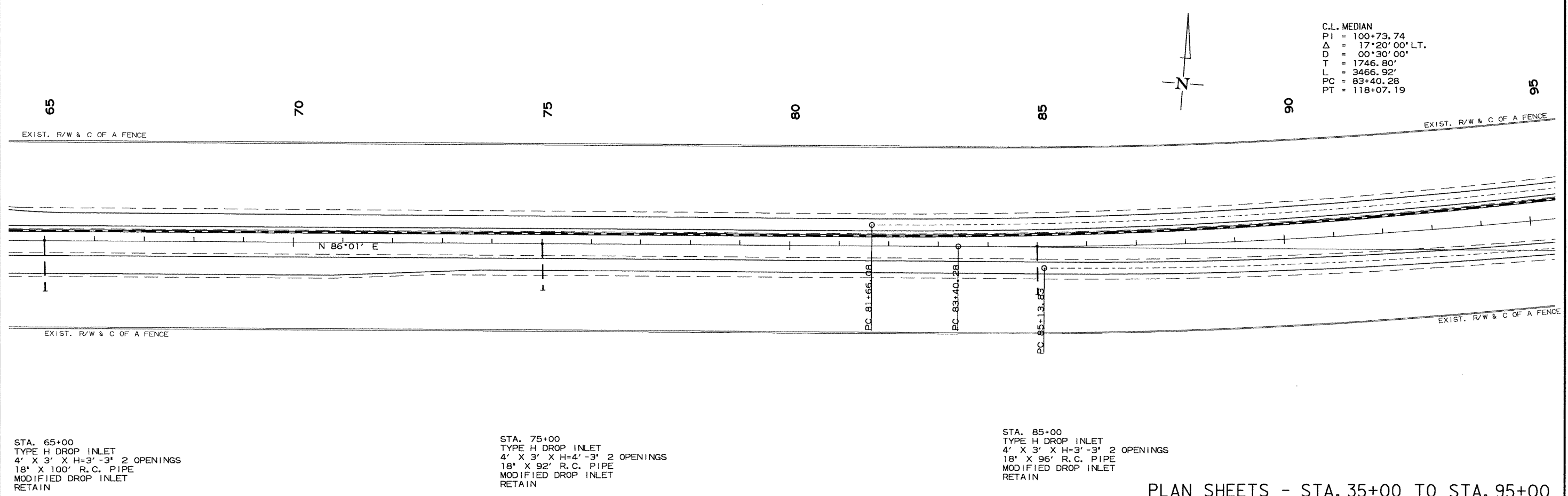
STA. 35+00
TYPE H DROP INLET
4' X 3' X H=3'-6" 2 OPENINGS
18" X 88' R.C. PIPE
MODIFIED DROP INLET
RETAIN

STA. 45+00
TYPE H DROP INLET
4' X 3' X H=3'-3" 2 OPENINGS
18" X 124' R.C. PIPE
MODIFIED DROP INLET
RETAIN

STA. 55+00
TYPE H DROP INLET
4' X 3' X H=3'-0" 2 OPENINGS
18" X 84' R.C. PIPE
MODIFIED DROP INLET
RETAIN

STA. 65+00
TYPE H DROP INLET
4' X 3' X H=3'-3" 2 OPENINGS
18" X 100' R.C. PIPE
MODIFIED DROP INLET
RETAIN

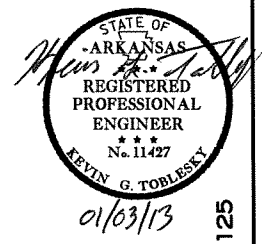
C.L. MEDIAN
PI = 100+73.74
Δ = 17°20'00" LT.
D = 00°30'00"
T = 1746.80'
L = 3466.92'
PC = 83+40.28
PT = 118+07.19



PLAN SHEETS - STA. 35+00 TO STA. 95+00

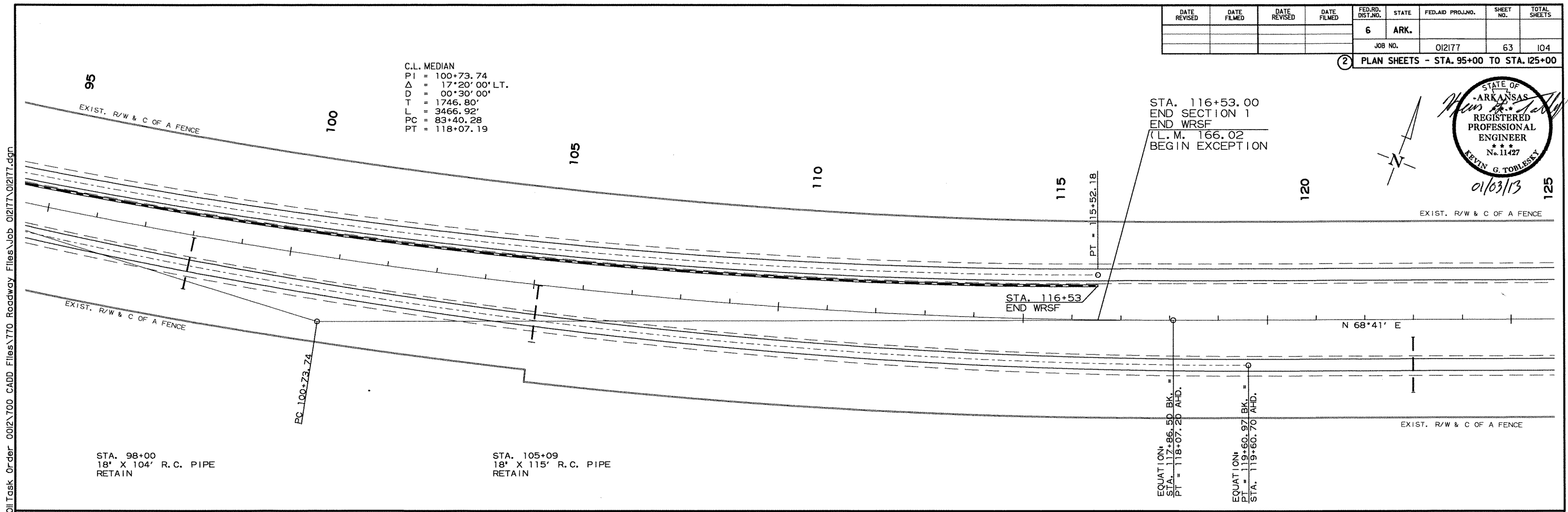
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				6	ARK.			
				JOB NO.	012177		63	104

② PLAN SHEETS - STA. 95+00 TO STA. 125+00



C.L. MEDIAN
 PI = 100+73.74
 Δ = 17°20'00" LT.
 D = 00°30'00"
 T = 1746.80'
 L = 3466.92'
 PC = 83+40.28
 PT = 118+07.19

STA. 116+53.00
 END SECTION 1
 END WRSF
 (L.M. 166.02
 BEGIN EXCEPTION



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PLAN SHEETS - STA. 95+00 TO STA. 125+00

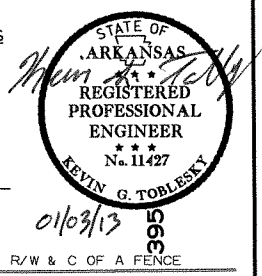
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GUARDRAIL IN PLACE - RETAIN			
STA.	STA.	SIDE	LIN. FT.
383+22	385+91	RT. OF R.M.L.	269
386+30	388+99	LT. OF L.M.L.	269

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN			
STA. 385+89 TO STA. 386+21	RT. OF RT. LANES	=	32 L.F.
STA. 385+99 TO STA. 386+31	LT. OF LT. LANES	=	32 L.F.
STA. 385+99 TO STA. 386+21	MEDIAN	=	44 L.F.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						JOB NO.	012177	64

2 PLAN SHEETS - STA. 365+00 TO STA. 425+00



REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS
 STA. 385+99 MEDIAN = 1 EACH
 STA. 386+21 MEDIAN = 1 EACH

C.L. MEDIAN
 PI = 378+40
 $\Delta = 2^{\circ}55'00''$ RT.
 D = 0'15'00"
 T = 583.50'
 L = 1166.70'
 PC = 372+56.50
 PT = 384+23.63

STA. 380+00 LT.
 36" X 72" R.C. PIPE
 36" STEEL GRATE ASSEMBLY LT. & RT.
 RETAIN

STA. 385+00
 TYPE H DROP INLET
 4' X 4' X H = 4'-6" 2 OPENINGS
 30" X 196" R.C. PIPE
 MODIFIED DROP INLET
 RETAIN

STA. 381+77.00
 BEGIN SECTION 2
 END EXCEPTION
 (L.M. 171.04)

STA. 386+75
 BEGIN WRSF

STA. 380+00 RT.
 36" X 72" R.C. PIPE
 36" STEEL GRATE ASSEMBLY LT. & RT.
 RETAIN

STA. 387+10
 TYPE H DROP INLET
 4' X 4' X H = 4'-6" 2 OPENINGS
 30" X 180" R.C. PIPE
 MODIFIED DROP INLET
 RETAIN

STA. 398+51
 24" X 380' CMP SIPHON
 RETAIN

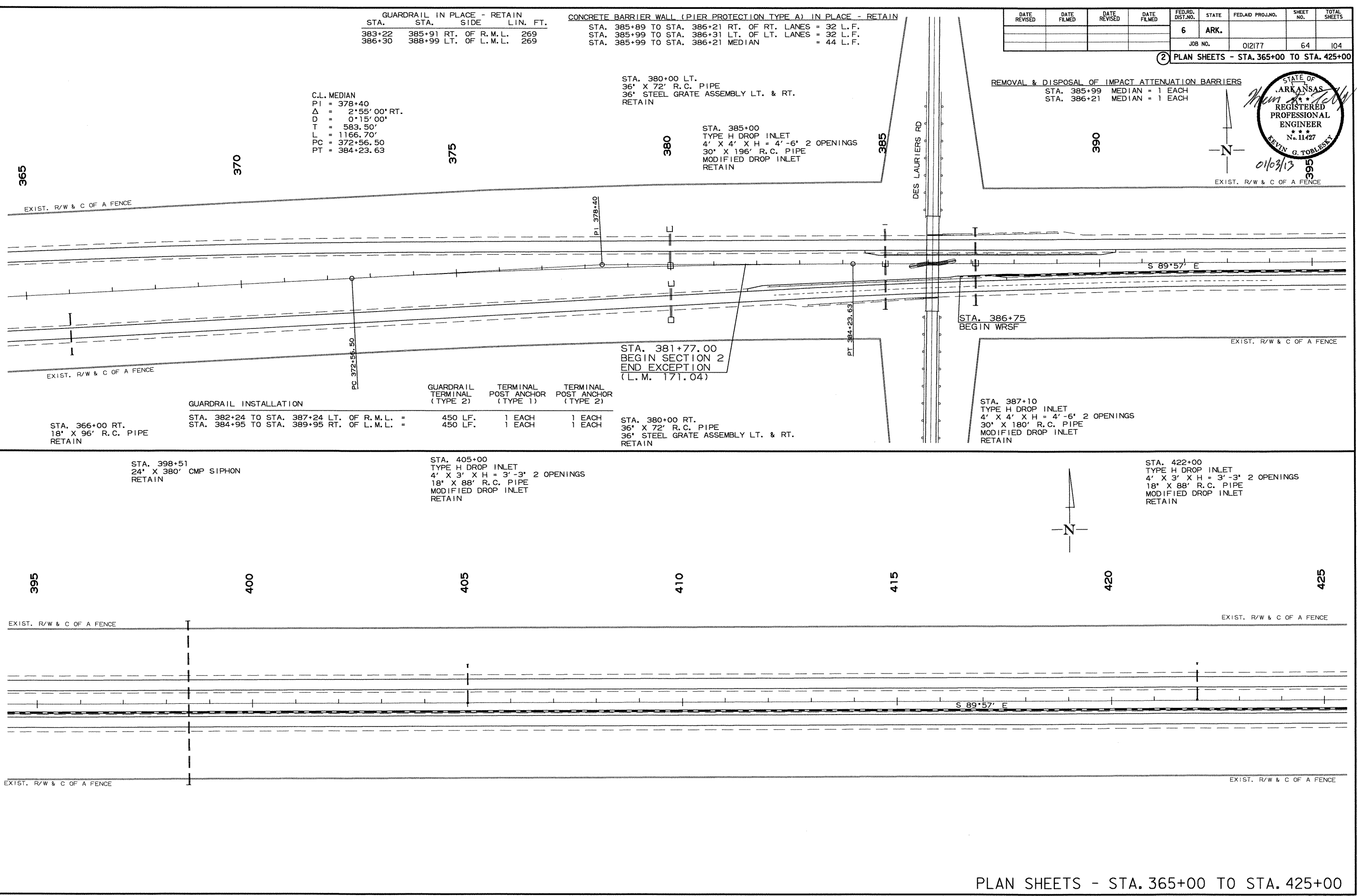
STA. 405+00
 TYPE H DROP INLET
 4' X 3' X H = 3'-3" 2 OPENINGS
 18" X 88" R.C. PIPE
 MODIFIED DROP INLET
 RETAIN

STA. 422+00
 TYPE H DROP INLET
 4' X 3' X H = 3'-3" 2 OPENINGS
 18" X 88" R.C. PIPE
 MODIFIED DROP INLET
 RETAIN

GUARDRAIL INSTALLATION

GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 382+24 TO STA. 387+24 LT. OF R.M.L. =	450 LF.	1 EACH
STA. 384+95 TO STA. 389+95 RT. OF L.M.L. =	450 LF.	1 EACH

STA. 366+00 RT.
 18" X 96" R.C. PIPE
 RETAIN



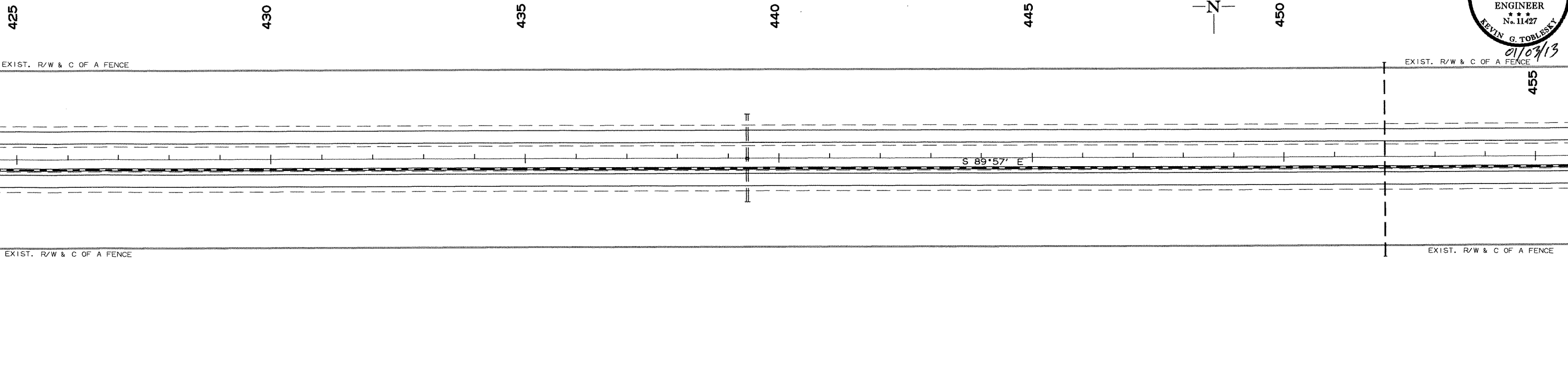
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STA. 439+35
TYPE H DROP INLET
4' X 6' X H = 6'-0" 2 OPENINGS
48" X 172" R.C. PIPE
MODIFIED DROP INLET
RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						JOB NO. 012177	65	104

② PLAN SHEETS - STA. 425+00 TO STA. 485+00

STA. 452+00
18" X 380' CMP SIPHON
RETAIN

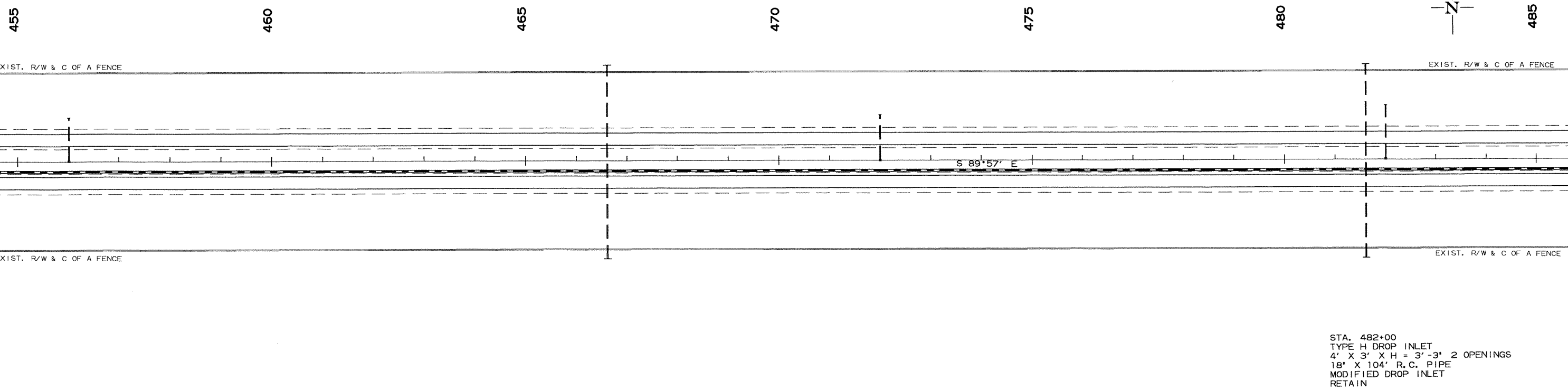


STA. 456+00
TYPE H DROP INLET
4' X 3' X H = 3'-3" 2 OPENINGS
18" X 84" R.C. PIPE
MODIFIED DROP INLET
RETAIN

STA. 466+60
24" X 380' CMP SIPHON
RETAIN

STA. 472+00
TYPE H DROP INLET
4' X 3' X H = 3'-3" 2 OPENINGS
18" X 88" R.C. PIPE
MODIFIED DROP INLET
RETAIN

STA. 481+60
18" X 380' CMP SIPHON
RETAIN



STA. 482+00
TYPE H DROP INLET
4' X 3' X H = 3'-3" 2 OPENINGS
18" X 104" R.C. PIPE
MODIFIED DROP INLET
RETAIN

PLAN SHEETS - STA. 425+00 TO STA. 485+00



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STA. 492+00
 TYPE H DROP INLET
 4' X 4'-6" X H = 5'-3" 2 OPENINGS
 36" X 160' R.C. PIPE
 MODIFIED DROP INLET
 RETAIN

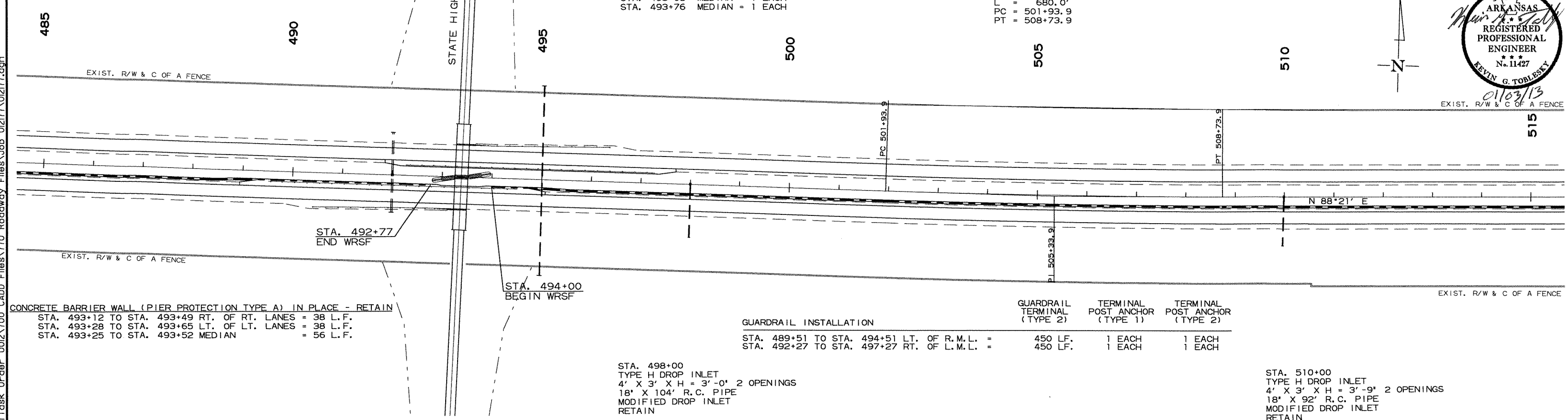
STA. 495+00
 18" X 380' CMP SIPHON
 RETAIN

GUARDRAIL IN PLACE - RETAIN			
STA.	STA.	SIDE	LIN. FT.
490+43	493+12	RT. OF R.M.L.	269
493+65	496+34	LT. OF L.M.L.	269

C.L. MEDIAN
 PI = 505+33.9
 Δ = 1°42'00" LT.
 D = 0°15'00"
 T = 340.0'
 L = 680.0'
 PC = 501+93.9
 PT = 508+73.9

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
							JOB NO.	012177
							SHEET NO.	66
							TOTAL SHEETS	104

2 PLAN SHEETS - STA. 485+00 TO STA. 545+00

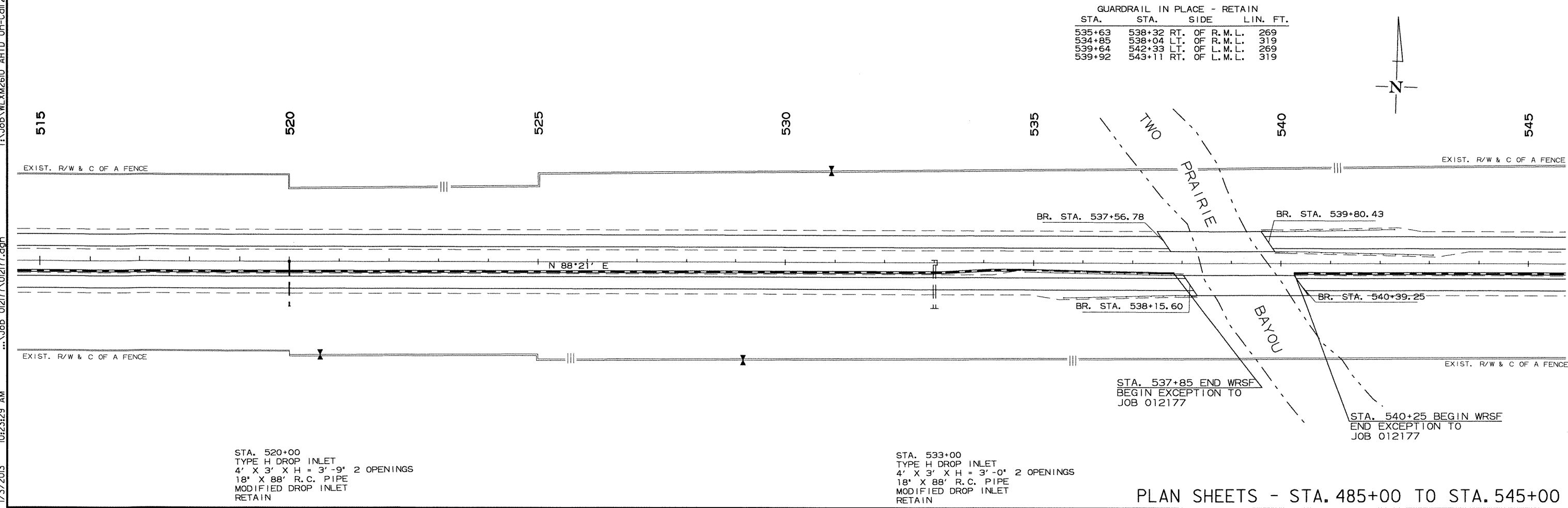


CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN
 STA. 493+12 TO STA. 493+49 RT. OF RT. LANES = 38 L.F.
 STA. 493+28 TO STA. 493+65 LT. OF LT. LANES = 38 L.F.
 STA. 493+25 TO STA. 493+52 MEDIAN = 56 L.F.

GUARDRAIL INSTALLATION			
STA.	STA.	SIDE	LIN. FT.
489+51	494+51	LT. OF R.M.L.	450 LF.
492+27	497+27	RT. OF L.M.L.	450 LF.

STA. 498+00
 TYPE H DROP INLET
 4' X 3' X H = 3'-0" 2 OPENINGS
 18" X 104' R.C. PIPE
 MODIFIED DROP INLET
 RETAIN

STA. 510+00
 TYPE H DROP INLET
 4' X 3' X H = 3'-9" 2 OPENINGS
 18" X 92' R.C. PIPE
 MODIFIED DROP INLET
 RETAIN



GUARDRAIL IN PLACE - RETAIN			
STA.	STA.	SIDE	LIN. FT.
535+63	538+32	RT. OF R.M.L.	269
534+85	538+04	LT. OF L.M.L.	319
539+64	542+33	LT. OF L.M.L.	269
539+92	543+11	RT. OF L.M.L.	319

STA. 520+00
 TYPE H DROP INLET
 4' X 3' X H = 3'-9" 2 OPENINGS
 18" X 88' R.C. PIPE
 MODIFIED DROP INLET
 RETAIN

STA. 533+00
 TYPE H DROP INLET
 4' X 3' X H = 3'-0" 2 OPENINGS
 18" X 88' R.C. PIPE
 MODIFIED DROP INLET
 RETAIN

STA. 537+85 END WRSF
 BEGIN EXCEPTION TO
 JOB 012177

STA. 540+25 BEGIN WRSF
 END EXCEPTION TO
 JOB 012177

PLAN SHEETS - STA. 485+00 TO STA. 545+00



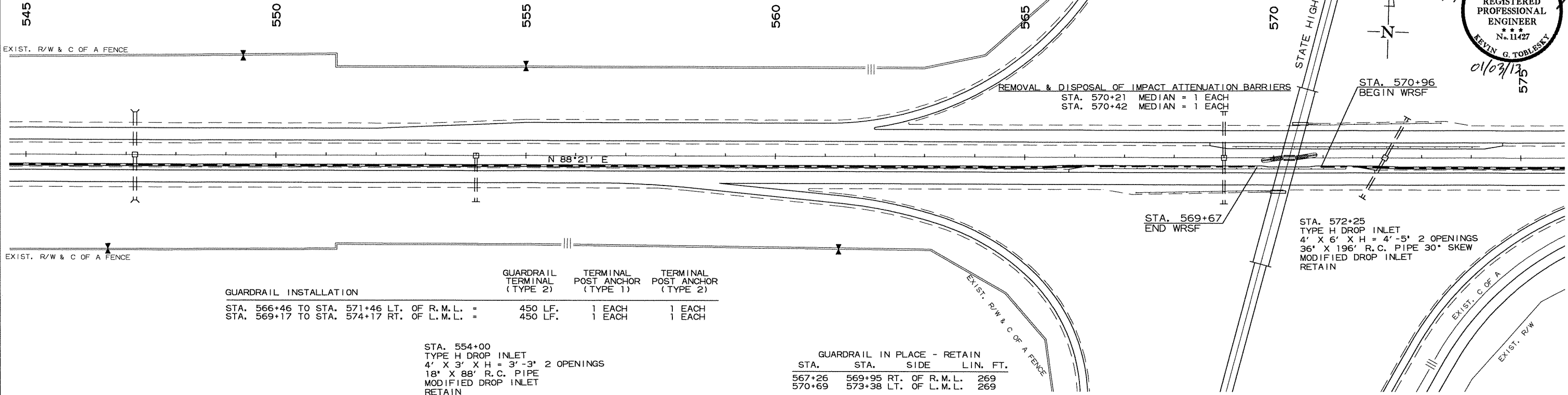
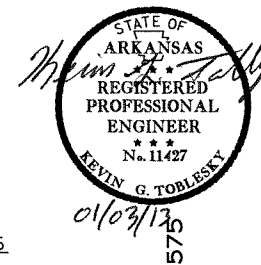
STA. 547+25
 DBL. 5' X 5' X 175' RCB
 TYPE K DROP INLET
 4' X 4' X H = 2'-0" 2 OPENINGS
 MODIFIED DROP INLET
 RETAIN

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN

STA. 569+94 TO STA. 570+25 RT. OF RT. LANES = 31 L.F.
 STA. 570+39 TO STA. 570+70 LT. OF LT. LANES = 31 L.F.
 STA. 570+21 TO STA. 570+42 MEDIAN = 42 L.F.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 012177							67	104

PLAN SHEETS - STA. 545+00 TO STA. 605+00



GUARDRAIL INSTALLATION

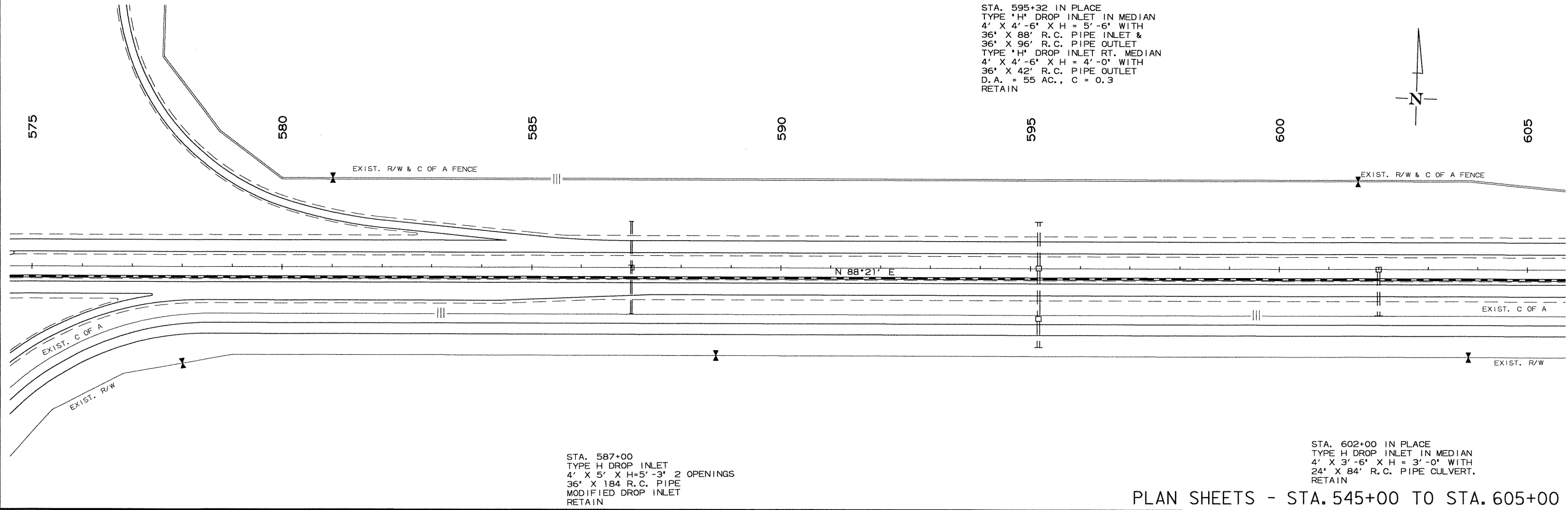
	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 566+46 TO STA. 571+46 LT. OF R.M.L. =	450 LF.	1 EACH	1 EACH
STA. 569+17 TO STA. 574+17 RT. OF L.M.L. =	450 LF.	1 EACH	1 EACH

STA. 554+00
 TYPE H DROP INLET
 4' X 3' X H = 3'-3" 2 OPENINGS
 18" X 88" R.C. PIPE
 MODIFIED DROP INLET
 RETAIN

GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
567+26	569+95	RT. OF R.M.L.	269
570+69	573+38	LT. OF L.M.L.	269

STA. 595+32 IN PLACE
 TYPE "H" DROP INLET IN MEDIAN
 4' X 4'-6" X H = 5'-6" WITH
 36" X 88" R.C. PIPE INLET &
 36" X 96" R.C. PIPE OUTLET
 TYPE "H" DROP INLET RT. MEDIAN
 4' X 4'-6" X H = 4'-0" WITH
 36" X 42" R.C. PIPE OUTLET
 D.A. = 55 AC., C = 0.3
 RETAIN



STA. 587+00
 TYPE H DROP INLET
 4' X 5' X H = 5'-3" 2 OPENINGS
 36" X 184 R.C. PIPE
 MODIFIED DROP INLET
 RETAIN

STA. 602+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-0" WITH
 24" X 84" R.C. PIPE CULVERT.
 RETAIN

PLAN SHEETS - STA. 545+00 TO STA. 605+00



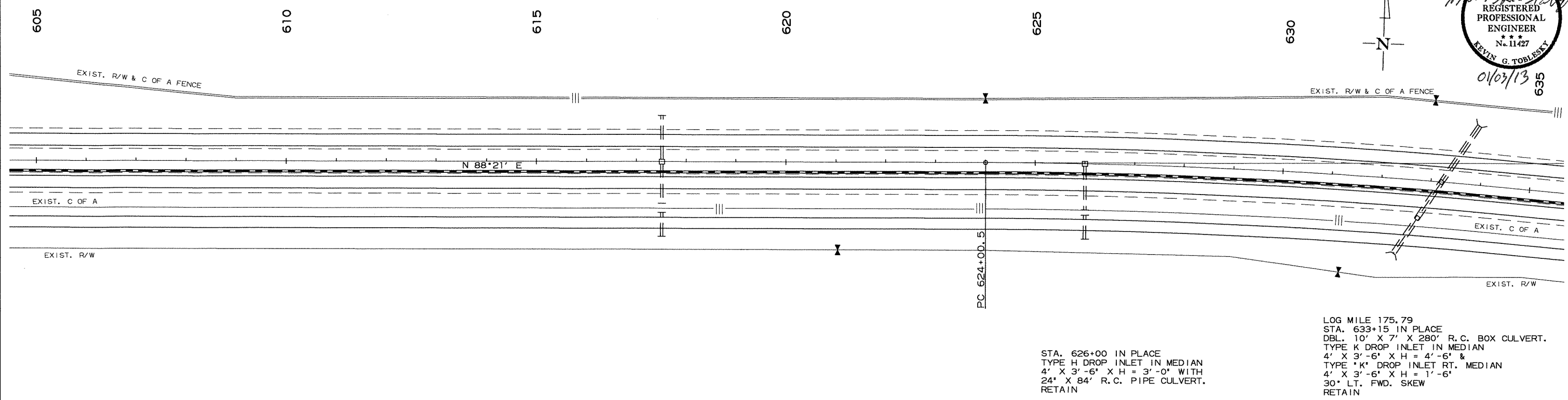
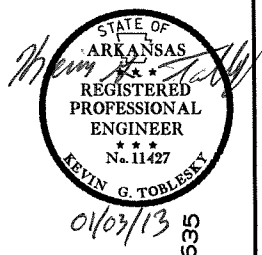
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STA. 617+46 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 4'-6" X H = 4'-0" WITH
36" X 84" R.C. PIPE INLET &
36" X 84" R.C. PIPE OUTLET
RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		68	104

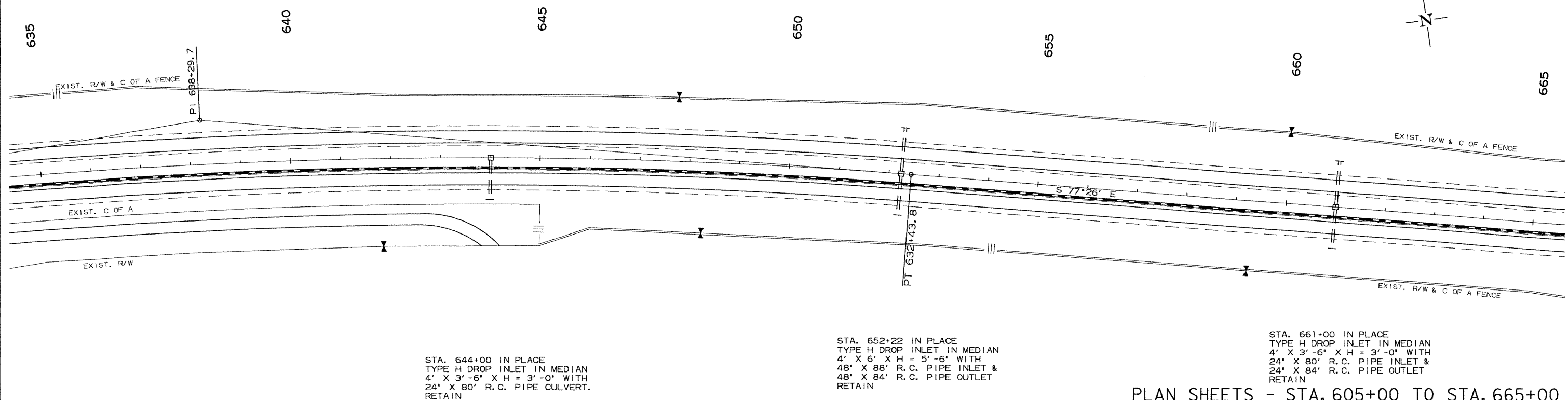
2 PLAN SHEETS - STA. 605+00 TO STA. 665+00



STA. 626+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H = 3'-0" WITH
24" X 84" R.C. PIPE CULVERT.
RETAIN

LOG MILE 175.79
STA. 633+15 IN PLACE
DBL. 10' X 7' X 280' R.C. BOX CULVERT.
TYPE K DROP INLET IN MEDIAN
4' X 3'-6" X H = 4'-6" &
TYPE *K' DROP INLET RT. MEDIAN
4' X 3'-6" X H = 1'-6"
30' LT. FWD. SKEW
RETAIN

C.L. MEDIAN
PI = 638+29.7
 Δ = 14°13'00" RT.
D = 0°30'00"
T = 1429.2'
L = 2843.3'
PC = 624+00.5
PT = 632+43.8



STA. 644+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H = 3'-0" WITH
24" X 80" R.C. PIPE CULVERT.
RETAIN

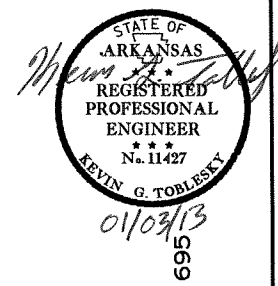
STA. 652+22 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 6' X H = 5'-6" WITH
48" X 88" R.C. PIPE INLET &
48" X 84" R.C. PIPE OUTLET
RETAIN

STA. 661+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H = 3'-0" WITH
24" X 80" R.C. PIPE INLET &
24" X 84" R.C. PIPE OUTLET
RETAIN

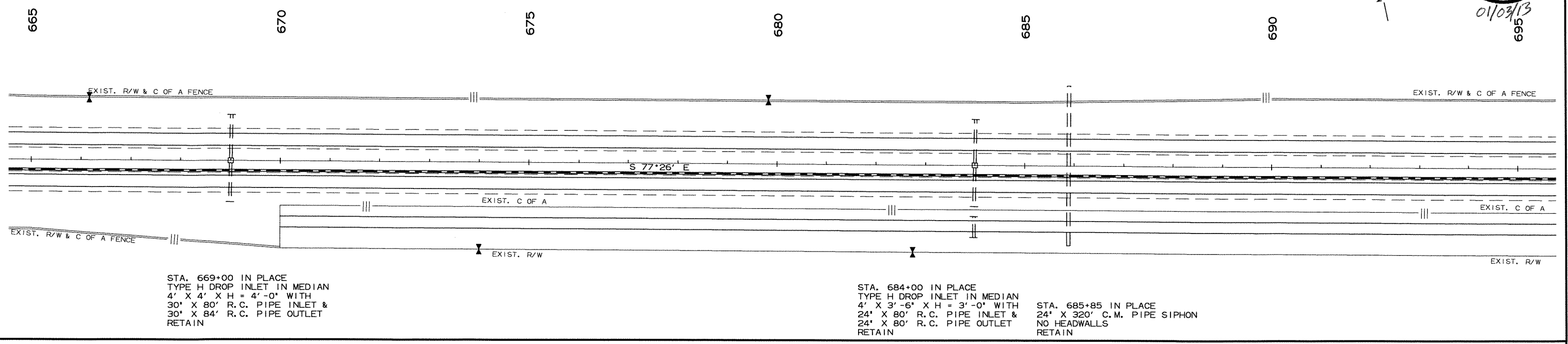
PLAN SHEETS - STA. 605+00 TO STA. 665+00

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		69	104
				JOB NO.	012177		69	104

2 PLAN SHEETS - STA. 665+00 TO STA. 725+00



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STA. 669+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 4' X H = 4'-0" WITH
30' X 80' R.C. PIPE INLET &
30' X 84' R.C. PIPE OUTLET
RETAIN

STA. 684+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H = 3'-0" WITH
24' X 80' R.C. PIPE INLET &
24' X 80' R.C. PIPE OUTLET
RETAIN

STA. 685+85 IN PLACE
24' X 320' C.M. PIPE SIPHON
NO HEADWALLS
RETAIN

STA. 700+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H = 3'-0" WITH
24' X 84' R.C. PIPE INLET &
24' X 84' R.C. PIPE OUTLET
RETAIN

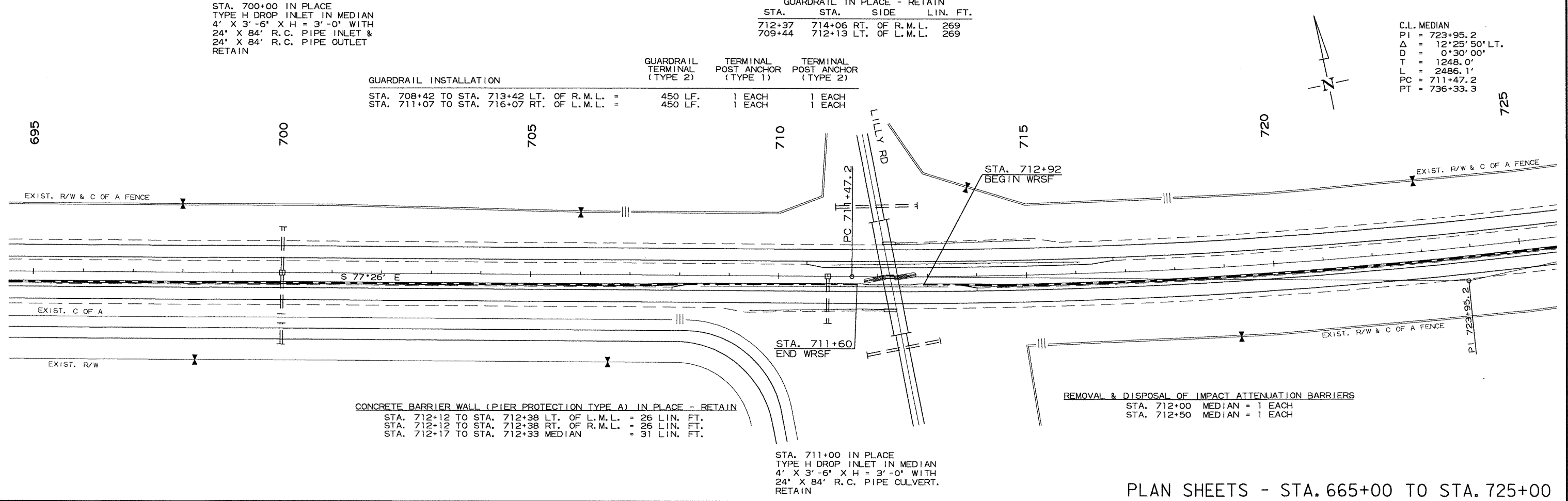
GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
712+37	714+06	RT. OF R.M.L.	269
709+44	712+13	LT. OF L.M.L.	269

GUARDRAIL INSTALLATION

GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 708+42 TO STA. 713+42 LT. OF R.M.L. = 450 LF.	1 EACH	1 EACH
STA. 711+07 TO STA. 716+07 RT. OF L.M.L. = 450 LF.	1 EACH	1 EACH

C.L. MEDIAN
PI = 723+95.2
Δ = 12°25'50" LT.
D = 0°30'00"
T = 1248.0'
L = 2486.1'
PC = 711+47.2
PT = 736+33.3

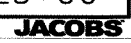


CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN
STA. 712+12 TO STA. 712+38 LT. OF L.M.L. = 26 LIN. FT.
STA. 712+12 TO STA. 712+38 RT. OF R.M.L. = 26 LIN. FT.
STA. 712+17 TO STA. 712+33 MEDIAN = 31 LIN. FT.

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS
STA. 712+00 MEDIAN = 1 EACH
STA. 712+50 MEDIAN = 1 EACH

STA. 711+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H = 3'-0" WITH
24' X 84' R.C. PIPE CULVERT.
RETAIN

PLAN SHEETS - STA. 665+00 TO STA. 725+00

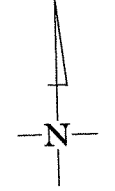


STA. 727+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-0" WITH
 24" X 84" R.C. PIPE CULVERT.
 RETAIN

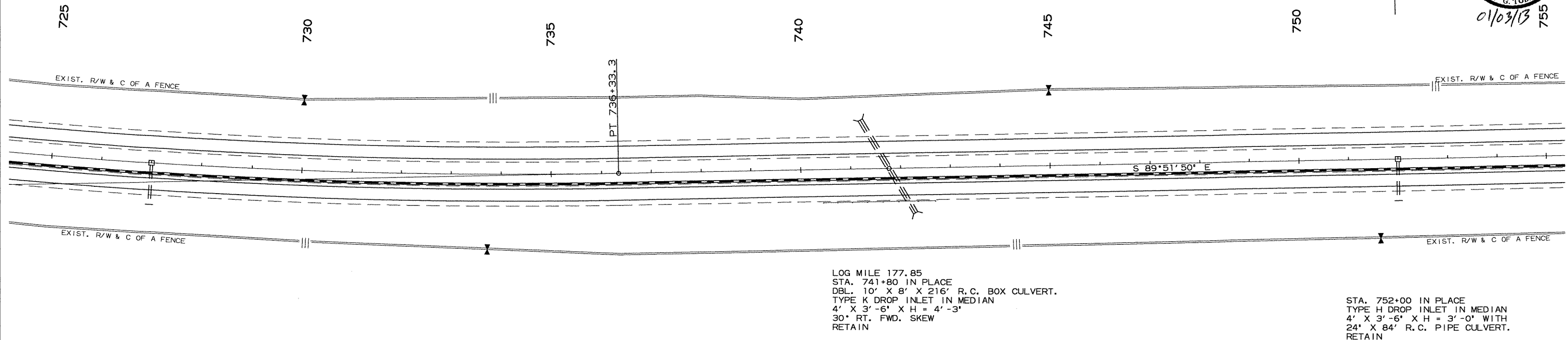
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		70	104

② PLAN SHEETS - STA. 725+00 TO STA. 785+00

GUARDRAIL IN PLACE - RETAIN
 STA. STA. SIDE LIN. FT.
 740+35 742+35 RT. OF R.M.L. 200



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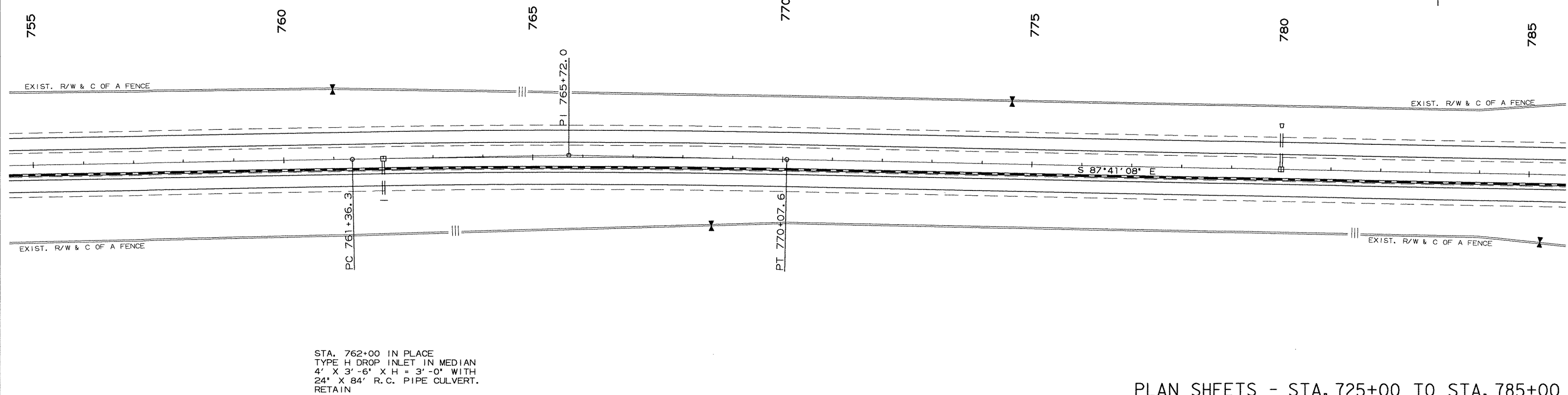
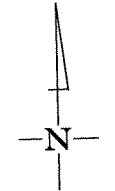


LOG MILE 177.85
 STA. 741+80 IN PLACE
 DBL. 10' X 8' X 216' R.C. BOX CULVERT.
 TYPE K DROP INLET IN MEDIAN
 4' X 3'-6" X H = 4'-3"
 30' RT. FWD. SKEW
 RETAIN

STA. 752+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-0" WITH
 24" X 84" R.C. PIPE CULVERT.
 RETAIN

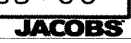
C.L. MEDIAN
 PI = 765+72.0
 Δ = 2°10'42" RT.
 D = 0°15'00"
 T = 435.7'
 L = 871.3'
 PC = 761+36.3
 PT = 770+07.6

STA. 780+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-0" WITH
 24" X 84" R.C. PIPE CULVERT.
 WITH F.E.S.
 RETAIN



STA. 762+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-0" WITH
 24" X 84" R.C. PIPE CULVERT.
 RETAIN

PLAN SHEETS - STA. 725+00 TO STA. 785+00

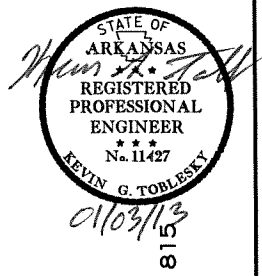


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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		71	104

2 PLAN SHEETS - STA. 785+00 TO STA. 845+00



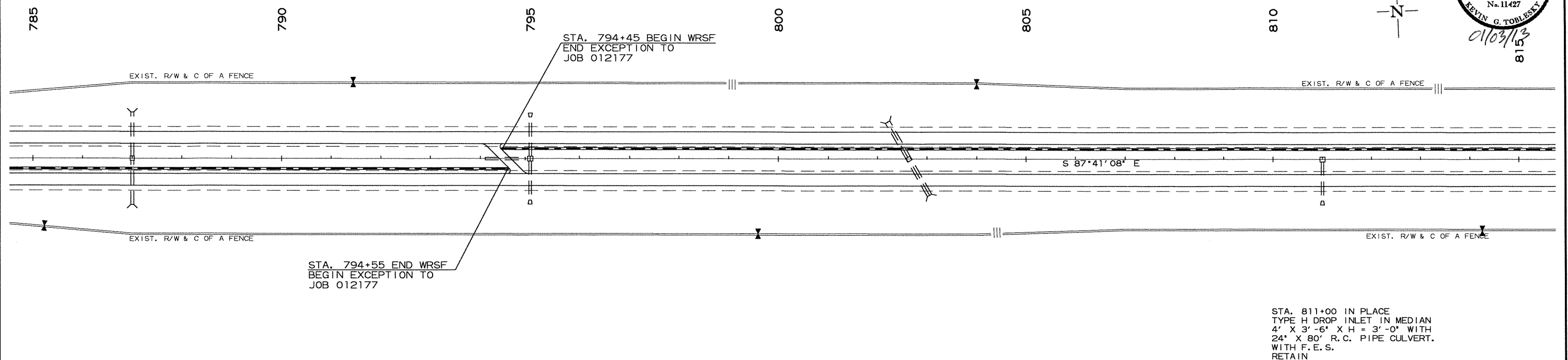
STA. 787+00 IN PLACE
 5' X 4' X 185' R.C. BOX CULVERT.
 TYPE K DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-9"
 D.A. = 192 AC., C = 0.3
 RETAIN

STA. 794+50 IN PLACE
 18" X 40' CORR. STEEL PIPE CULVERT.
 WITH F.E.S. IN MEDIAN
 REMOVE AND INSTALL 18" X 52' SIDE DRAIN

STA. 802+60 IN PLACE
 DBL. 5' X 5' X 169' R.C. BOX CULVERT.
 TYPE K DROP INLET IN MEDIAN
 4' X 3'-6" X H = 1'-6"
 30° RT. FWD. SKEW
 RETAIN

STA. 794+50 CONSTRUCT
 CROSSOVER AT 45°

STA. 795+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 4'-6" WITH
 24" X 82' R.C. PIPE INLET &
 24" X 92' R.C. PIPE OUTLET
 WITH F.E.S. ON LT. & RT.
 RETAIN



GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
816+93	819+62	RT. OF R.M.L.	269
821+06	823+75	LT. OF L.M.L.	269

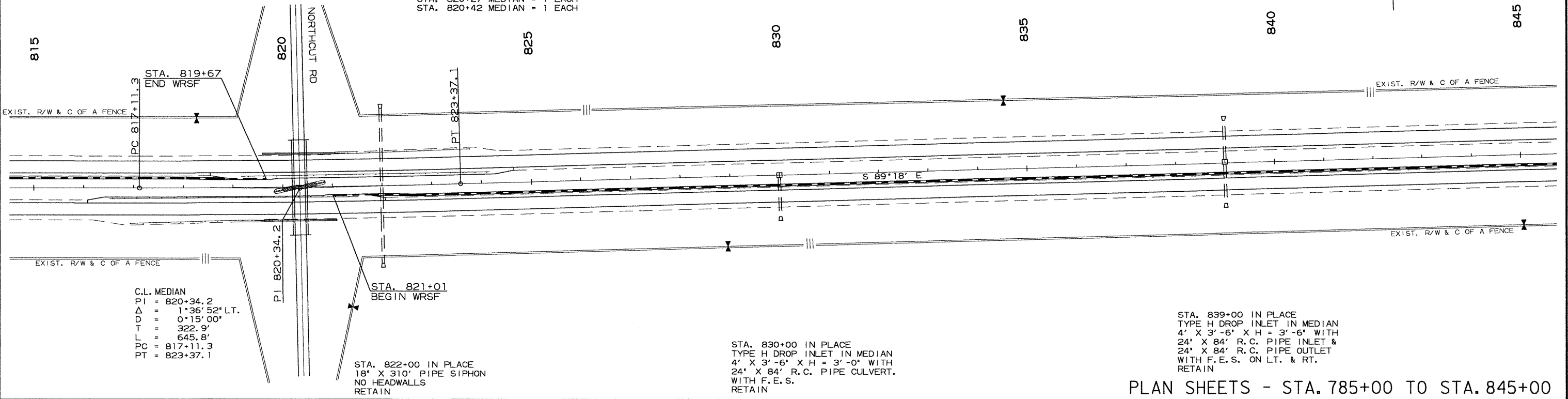
CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN

STA. 819+62	TO STA. 824+08	RT. OF RT. LANES =	146 L.F.
STA. 819+60	TO STA. 821+06	LT. OF LT. LANES =	146 L.F.
STA. 820+26	TO STA. 820+42	MEDIAN	= 32 L.F.

GUARDRAIL INSTALLATION

	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 816+51 TO STA. 821+51	LT. OF R.M.L. = 450 LF.	1 EACH	1 EACH
STA. 819+16 TO STA. 824+16	RT. OF L.M.L. = 450 LF.	1 EACH	1 EACH

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS
 STA. 820+27 MEDIAN = 1 EACH
 STA. 820+42 MEDIAN = 1 EACH



C.L. MEDIAN
 PI = 820+34.2
 Δ = 1°36'52" LT.
 D = 0°15'00"
 T = 322.9'
 L = 645.8'
 PC = 817+11.3
 PT = 823+37.1

STA. 822+00 IN PLACE
 18" X 310' PIPE SIPHON
 NO HEADWALLS
 RETAIN

STA. 830+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-0" WITH
 24" X 84' R.C. PIPE CULVERT.
 WITH F.E.S.
 RETAIN

STA. 839+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-6" WITH
 24" X 84' R.C. PIPE INLET &
 24" X 84' R.C. PIPE OUTLET
 WITH F.E.S. ON LT. & RT.
 RETAIN

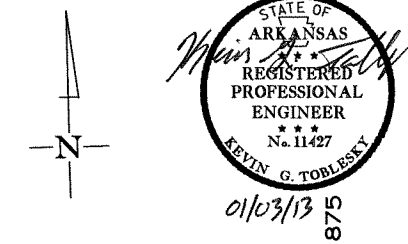
PLAN SHEETS - STA. 785+00 TO STA. 845+00



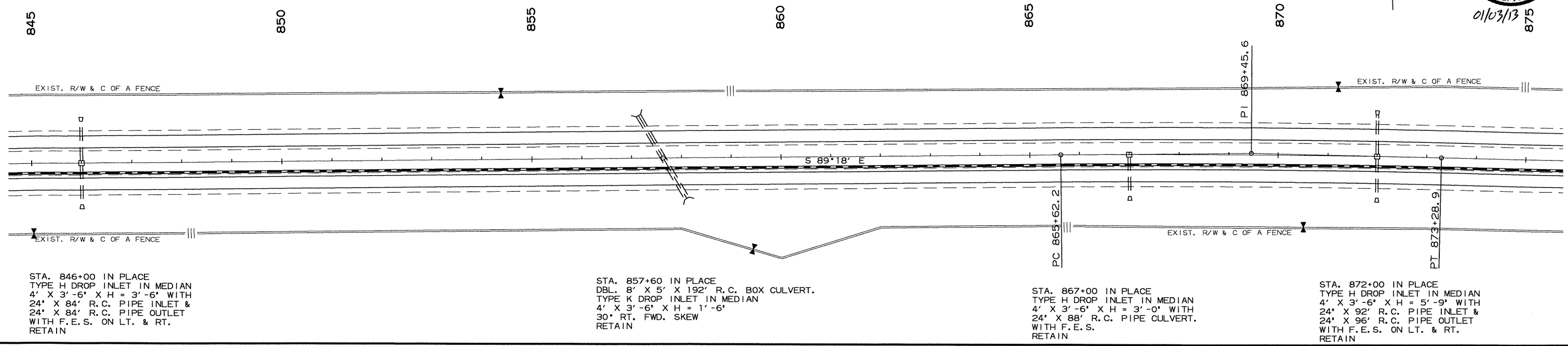
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		72	104

2 PLAN SHEETS - STA. 845+00 TO STA. 905+00

C.L. MEDIAN
 PI = 869+45.6
 Δ = 0°55'00" RT.
 D = 0°15'00"
 T = 383.4'
 L = 766.7'
 PC = 865+62.2
 PT = 873+28.9



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STA. 846+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-6" WITH
 24" X 84" R.C. PIPE INLET &
 24" X 84" R.C. PIPE OUTLET
 WITH F.E.S. ON LT. & RT.
 RETAIN

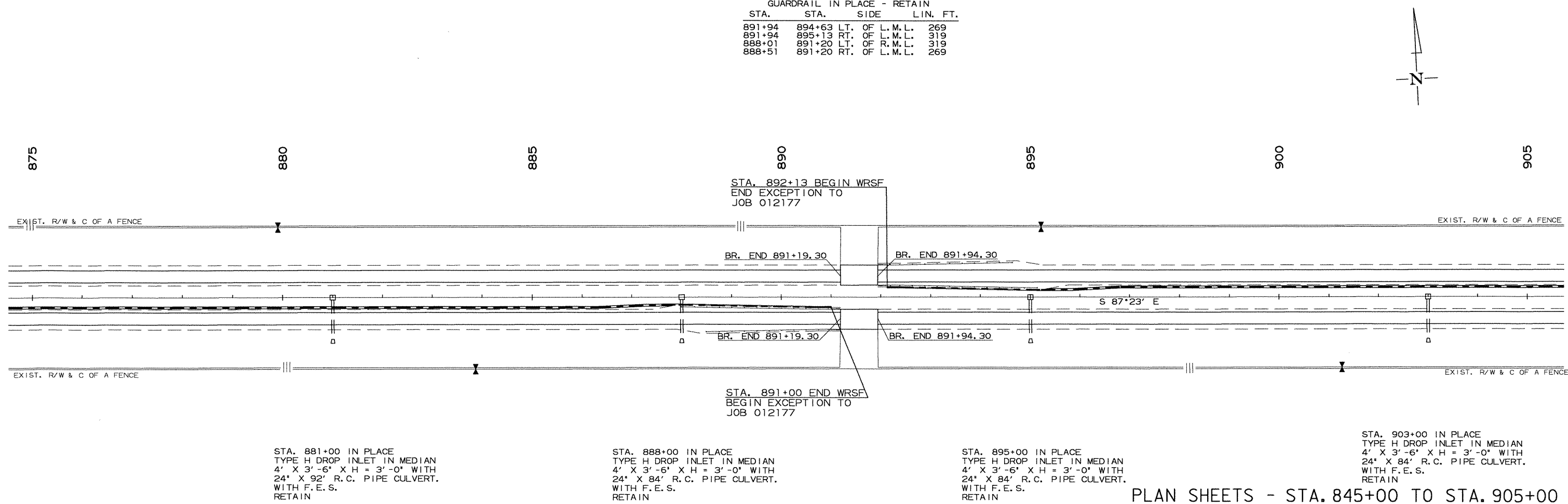
STA. 857+60 IN PLACE
 DBL. 8' X 5' X 192' R.C. BOX CULVERT.
 TYPE K DROP INLET IN MEDIAN
 4' X 3'-6" X H = 1'-6"
 30° RT. FWD. SKEW
 RETAIN

STA. 867+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-0" WITH
 24" X 88" R.C. PIPE CULVERT.
 WITH F.E.S.
 RETAIN

STA. 872+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 5'-9" WITH
 24" X 92" R.C. PIPE INLET &
 24" X 96" R.C. PIPE OUTLET
 WITH F.E.S. ON LT. & RT.
 RETAIN

GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	OF	L.M.L.	LIN. FT.
891+94	894+63	LT.	OF	L.M.L.	269
891+94	895+13	RT.	OF	L.M.L.	319
888+01	891+20	LT.	OF	R.M.L.	319
888+51	891+20	RT.	OF	L.M.L.	269



STA. 881+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-0" WITH
 24" X 92" R.C. PIPE CULVERT.
 WITH F.E.S.
 RETAIN

STA. 888+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-0" WITH
 24" X 84" R.C. PIPE CULVERT.
 WITH F.E.S.
 RETAIN

STA. 895+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-0" WITH
 24" X 84" R.C. PIPE CULVERT.
 WITH F.E.S.
 RETAIN

STA. 903+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H = 3'-0" WITH
 24" X 84" R.C. PIPE CULVERT.
 WITH F.E.S.
 RETAIN

PLAN SHEETS - STA. 845+00 TO STA. 905+00

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STA. 915+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H = 3'-0" WITH
24" X 88" R.C. PIPE CULVERT.
WITH F.E.S.
RETAIN

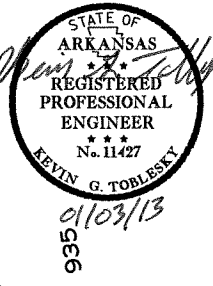
STA. 927+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H = 3'-0" WITH
24" X 84" R.C. PIPE CULVERT.
WITH F.E.S.
RETAIN

STA. 929+70 IN PLACE
6' X 4' X 198' R.C. BOX CULVERT.
30° LT. FWD. SKEW
RETAIN

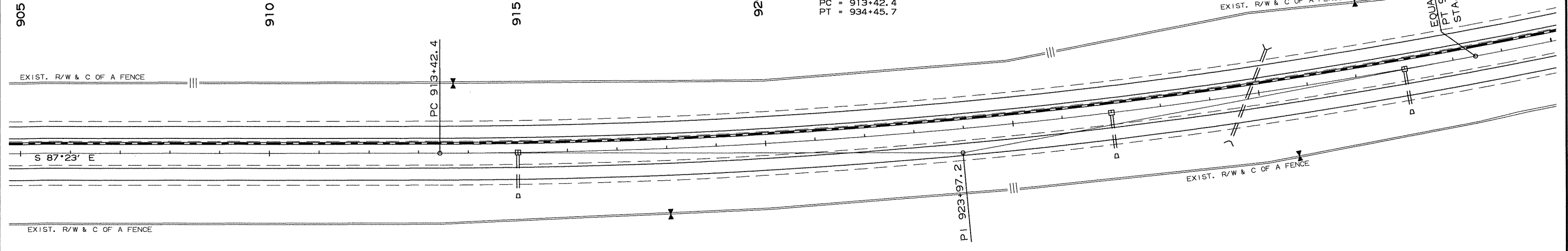
STA. 933+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H = 3'-0" WITH
24" X 88" R.C. PIPE CULVERT.
WITH F.E.S.
RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		73	104

2 PLAN SHEETS - STA. 905+00 TO STA. 965+00



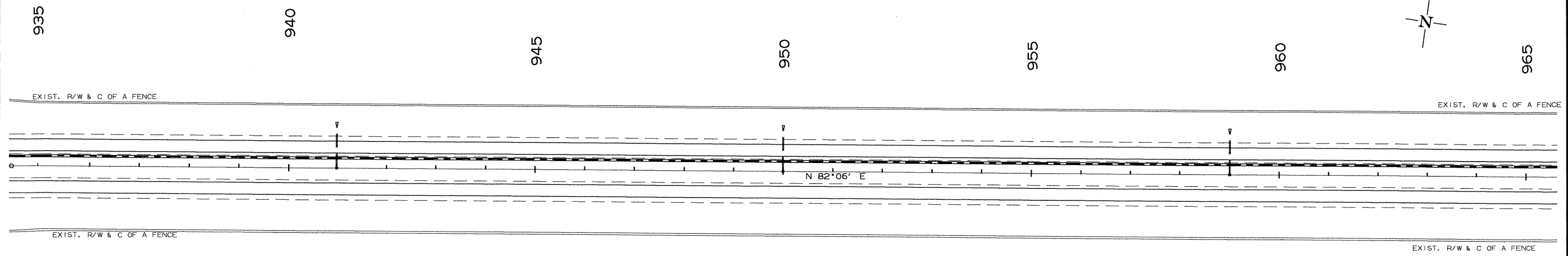
C.L. MEDIAN
PI = 923+97.2
Δ = 10°31'00" LT.
D = 0°30'00"
T = 1054.8'
L = 2103.3'
PC = 913+42.4
PT = 934+45.7



STA. 941+00 - IN PLACE
TYPE H DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-0" 2 OPENINGS
24" X 84" R.C. PIPE CULVERT
WITH F.E.S. LT.
RETAIN

STA. 950+00 - IN PLACE
TYPE H DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-0" 2 OPENINGS
24" X 84" R.C. PIPE CULVERT
WITH F.E.S. LT.
RETAIN

STA. 959+00 - IN PLACE
TYPE H DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-0" 2 OPENINGS
24" X 84" R.C. PIPE CULVERT
WITH F.E.S. LT.
RETAIN



PLAN SHEETS - STA. 905+00 TO STA. 965+00



STA. 968+00 - IN PLACE
 TYPE H DROP INLET IN CL MEDIAN
 4' X 3'-6" X H=3'-0"
 24" X 84" R.C. PIPE CULVERT
 WITH F.E.S. LT.
 RETAIN

GUARDRAIL INSTALLATION

STA. 983+94 TO STA. 988+94 LT. OF R.M.L. =
 STA. 986+64 TO STA. 991+64 RT. OF L.M.L. =

GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
450 LF.	1 EACH	1 EACH
450 LF.	1 EACH	1 EACH

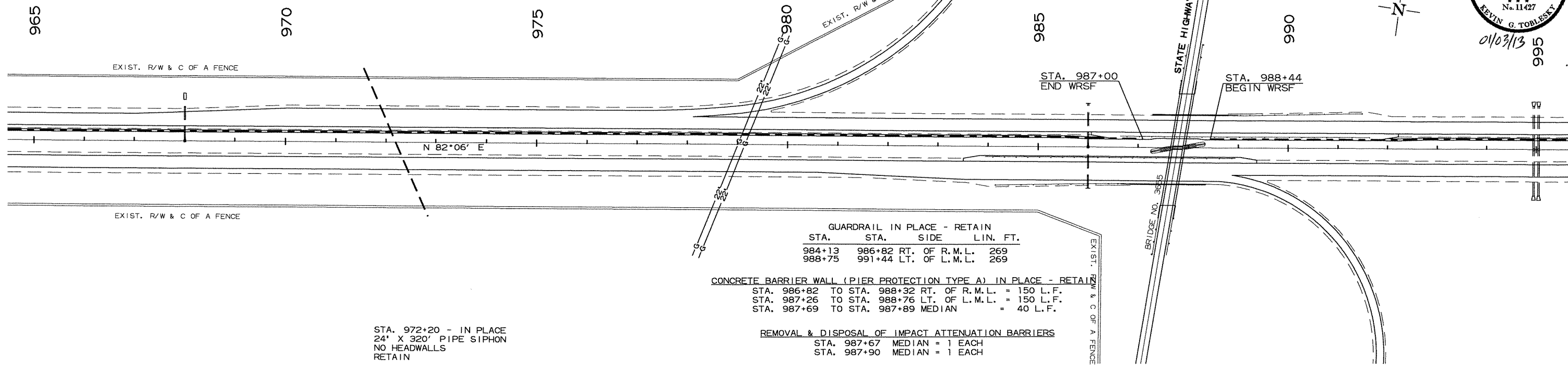
STA. 986+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-0" 2 OPENINGS
 24" X 84" R.C. PIPE INLET
 & 24" X 80" R.C. PIPE OUTLET
 RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		74	104

JOB NO. 012177
 PLAN SHEETS - STA. 965+00 TO STA. 1025+00



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GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
984+13	986+82	RT. OF R.M.L.	269
988+75	991+44	LT. OF L.M.L.	269

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN

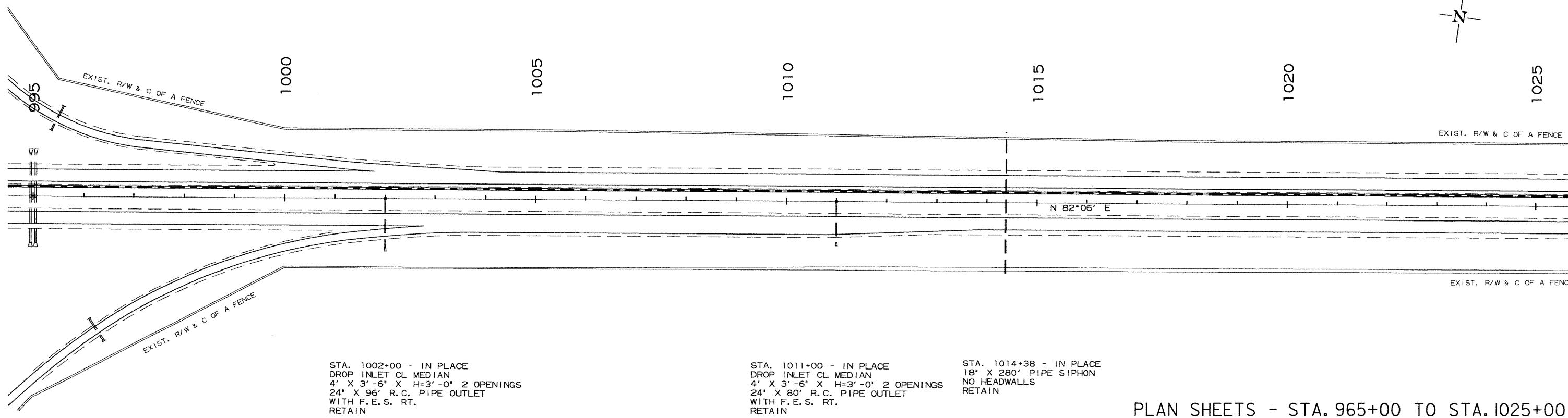
STA. 986+82 TO STA. 988+32 RT. OF R.M.L. = 150 L.F.
 STA. 987+26 TO STA. 988+76 LT. OF L.M.L. = 150 L.F.
 STA. 987+69 TO STA. 987+89 MEDIAN = 40 L.F.

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS

STA. 987+67 MEDIAN = 1 EACH
 STA. 987+90 MEDIAN = 1 EACH

STA. 972+20 - IN PLACE
 24" X 320' PIPE SIPHON
 NO HEADWALLS
 RETAIN

STA. 995+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 4'-6" X H=5'-0" 2 OPENINGS
 36" X 84" R.C. PIPE INLET
 & 36" X 90" R.C. PIPE OUTLET
 WITH F.E.S. LT. & RT.
 RETAIN



STA. 1002+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-0" 2 OPENINGS
 24" X 96" R.C. PIPE OUTLET
 WITH F.E.S. RT.
 RETAIN

STA. 1011+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-0" 2 OPENINGS
 24" X 80" R.C. PIPE OUTLET
 WITH F.E.S. RT.
 RETAIN

STA. 1014+38 - IN PLACE
 18" X 280' PIPE SIPHON
 NO HEADWALLS
 RETAIN

PLAN SHEETS - STA. 965+00 TO STA. 1025+00

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STA. 1030+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-0" 2 OPENINGS
 24" X 84" R.C. PIPE OUTLET
 WITH F.E.S. LT.
 RETAIN

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS
 STA. 1041+64 MEDIAN = 1 EACH
 STA. 1041+87 MEDIAN = 1 EACH

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN
 STA. 1040+80 TO STA. 1042+30 RT. OF R.M.L. = 150 L.F.
 STA. 1041+23 TO STA. 1042+71 LT. OF L.M.L. = 150 L.F.
 STA. 1041+65 TO STA. 1041+85 MEDIAN = 40 L.F.

GUARDRAIL IN PLACE - RETAIN

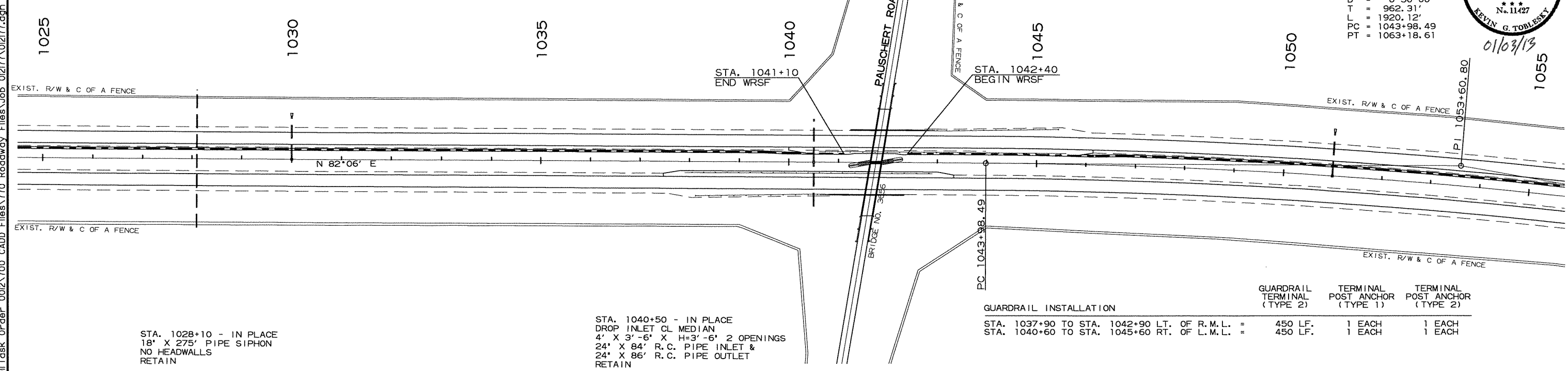
STA.	STA.	SIDE	LIN. FT.
1040+80	1042+29	RT. OF R.M.L.	269
1041+23	1042+71	LT. OF L.M.L.	269

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		75	104
							JOB NO.	012177

② PLAN SHEETS - STA. 1025+00 TO STA. 1085+00

STA. 1051+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-0" 2 OPENINGS
 24" X 86" R.C. PIPE OUTLET
 WITH F.E.S. LT.
 RETAIN

C.L. MEDIAN
 PI = 1053+60.80
 Δ = 9°36'02" RT.
 D = 0°30'00"
 T = 962.31'
 L = 1920.12'
 PC = 1043+98.49
 PT = 1063+18.61



STA. 1028+10 - IN PLACE
 18" X 275' PIPE SIPHON
 NO HEADWALLS
 RETAIN

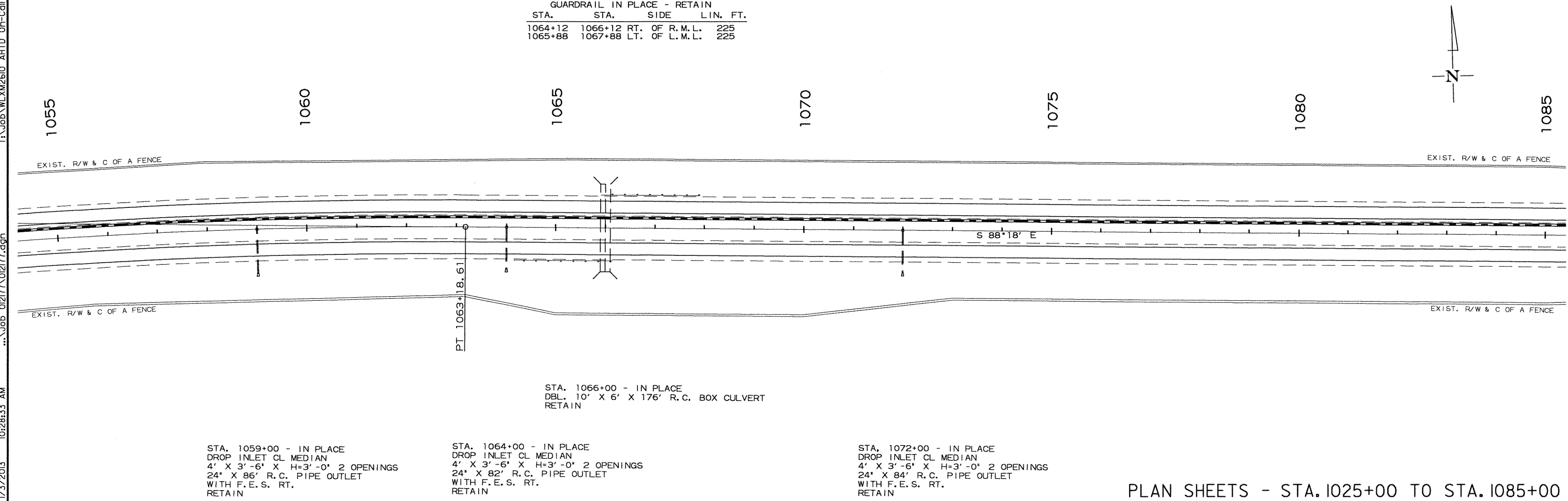
STA. 1040+50 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 2 OPENINGS
 24" X 84" R.C. PIPE INLET &
 24" X 86" R.C. PIPE OUTLET
 RETAIN

GUARDRAIL INSTALLATION

	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 1037+90 TO STA. 1042+90 LT. OF R.M.L. =	450 LF.	1 EACH	1 EACH
STA. 1040+60 TO STA. 1045+60 RT. OF L.M.L. =	450 LF.	1 EACH	1 EACH

GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
1064+12	1066+12	RT. OF R.M.L.	225
1065+88	1067+88	LT. OF L.M.L.	225



STA. 1059+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-0" 2 OPENINGS
 24" X 86" R.C. PIPE OUTLET
 WITH F.E.S. RT.
 RETAIN

STA. 1064+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-0" 2 OPENINGS
 24" X 82" R.C. PIPE OUTLET
 WITH F.E.S. RT.
 RETAIN

STA. 1072+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-0" 2 OPENINGS
 24" X 84" R.C. PIPE OUTLET
 WITH F.E.S. RT.
 RETAIN

PLAN SHEETS - STA. 1025+00 TO STA. 1085+00

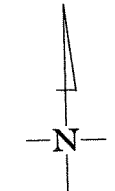


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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		76	104

② PLAN SHEETS - STA. 1085+00 TO STA. 1145+00

STA. 1108+30 - IN PLACE
DROP INLET CL. MEDIAN
4' X 3'-6" X H=3'-0" 2 OPENINGS
24" X 158' R.C. PIPE
WITH 24" STEEL GRATE ASSEMBLY
EACH SIDE
RETAIN



1085

1090

1095

1100

1105

1110

1115

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

S 88°18' E

STA. 1086+00 - IN PLACE
DROP INLET CL. MEDIAN
4' X 3'-6" X H=3'-0" 2 OPENINGS
24" X 84' R.C. PIPE OUTLET
WITH F.E.S. RT.
RETAIN

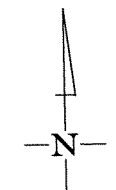
STA. 1096+00 - IN PLACE
DROP INLET CL. MEDIAN
4' X 3'-6" X H=3'-0" 2 OPENINGS
24" X 82' R.C. PIPE OUTLET
WITH F.E.S. RT.
RETAIN

STA. 1107+00 - IN PLACE
18" X 270' PIPE SIPHON
NO HEADWALLS
RETAIN

STA. 1125+10 - IN PLACE
18" X 270' PIPE SIPHON
NO HEADWALLS
RETAIN

STA. 1141+00 - IN PLACE
DROP INLET CL. MEDIAN
4' X 3'-6" X H=3'-6" 1 OPENING
24" X 86' R.C. PIPE OUTLET
WITH F.E.S. LT.
RETAIN

STA. 1144+75 - IN PLACE
TRIPLE 10' X 4' X 186' R.C.
BOX CULVERT
RETAIN



1115

1120

1125

1130

1135

1140

1145

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

S 88°18' E

PC 1141+85.19

STA. 1120+00 - IN PLACE
DROP INLET CL. MEDIAN
4' X 3'-6" X H=3'-0" 2 OPENINGS
24" X 82' R.C. PIPE OUTLET
WITH F.E.S. RT.
RETAIN

STA. 1125+85 - IN PLACE
18" X 270' PIPE SIPHON
NO HEADWALLS
RETAIN

STA. 1127+00 - IN PLACE
DROP INLET CL. MEDIAN
4' X 3'-6" X H=3'-0" 1 OPENING
24" X 82' R.C. PIPE INLET &
24" X 82' R.C. PIPE OUTLET
WITH F.E.S. RT. & LT.
RETAIN

STA. 1134+81 - IN PLACE
DROP INLET CL. MEDIAN
4' X 3'-6" X H=4'-0" 1 OPENING
24" X 86' R.C. PIPE INLET &
24" X 86' R.C. PIPE OUTLET
WITH F.E.S. RT. & LT.
RETAIN

PLAN SHEETS - STA. 1085+00 TO STA. 1145+00

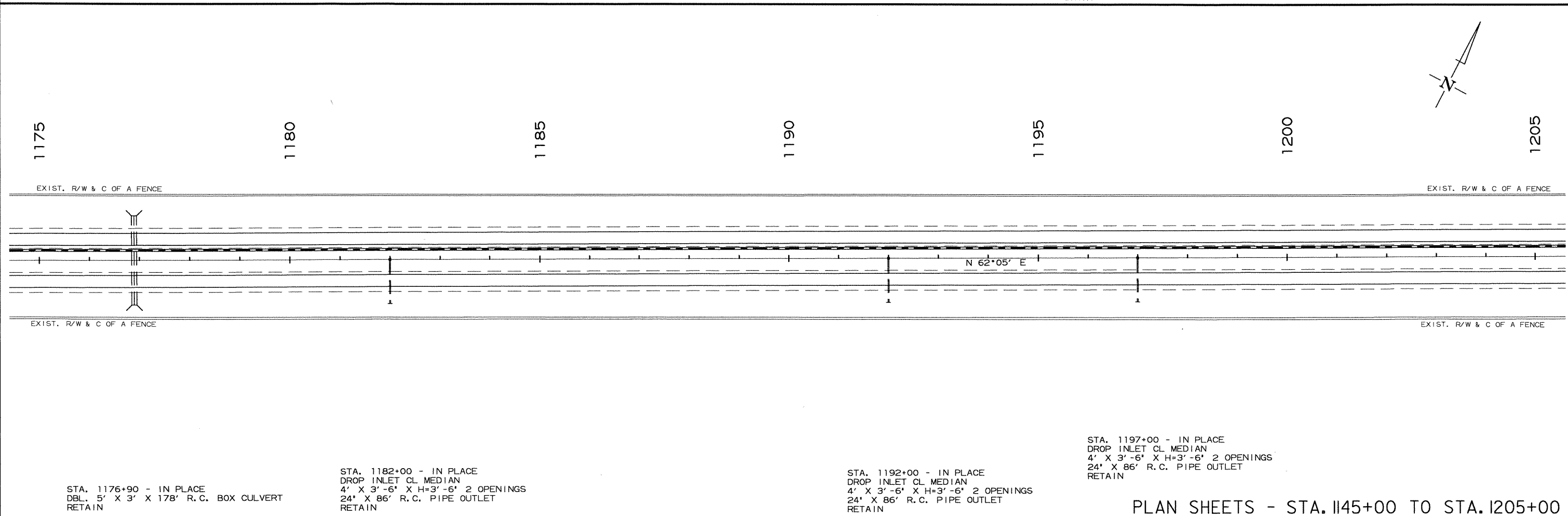
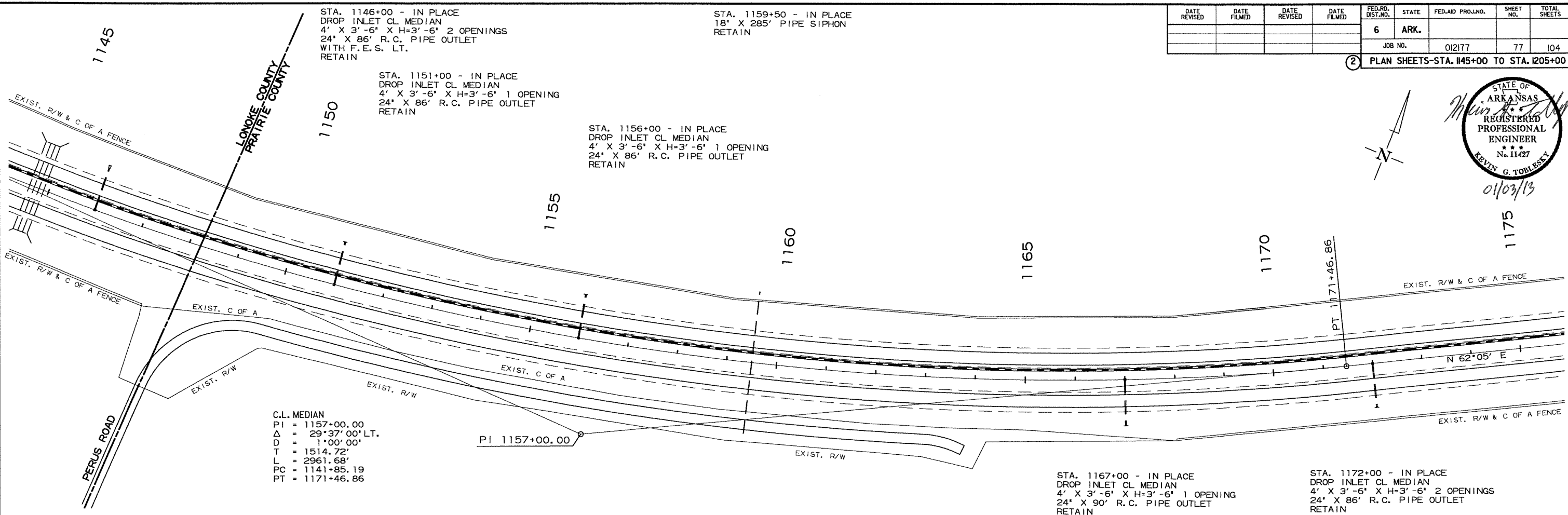


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				6	ARK.			
				JOB NO.	012177		77	104

2 PLAN SHEETS - STA. 1145+00 TO STA. 1205+00



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PLAN SHEETS - STA. 1145+00 TO STA. 1205+00

GUARDRAIL IN PLACE - RETAIN
 STA. STA. SIDE LIN. FT.
 1218+30 1220+99 RT. OF R.M.L. 269
 1222+08 1224+76 LT. OF L.M.L. 269

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		78	104

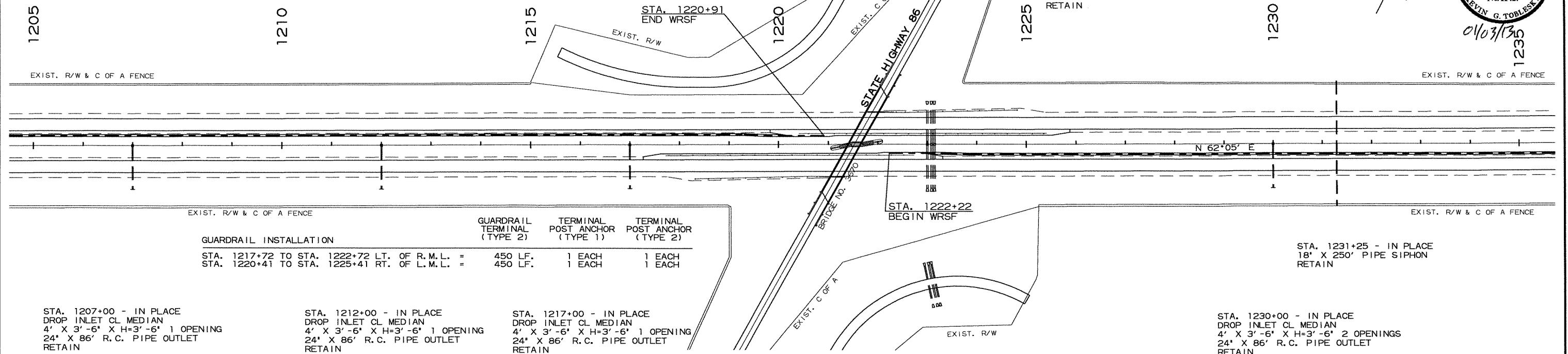
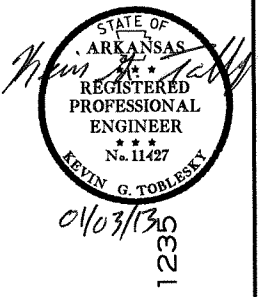
PLAN SHEETS - STA. 1205+00 TO STA. 1265+00

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN
 STA. 1220+98 TO STA. 1221+29 RT. OF R.M.L. = 31 L.F.
 STA. 1221+77 TO STA. 1222+08 LT. OF L.M.L. = 31 L.F.
 STA. 1221+44 TO STA. 1221+62 MEDIAN = 37 L.F.

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS
 STA. 1221+44 MEDIAN = 1 EACH
 STA. 1221+62 MEDIAN = 1 EACH

STA. 1223+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 5'-6" X H=4'-6" 2 OPENINGS
 36" X 78" R.C. PIPE INLET &
 36" X 86" R.C. PIPE OUTLET
 WITH F.E.S. LT. & RT.
 RETAIN

STA. 1223+11.50
 DBL 36" X 160" R.C. PIPE CULVERT
 WITH F.E.S. LT. & RT.
 RETAIN



GUARDRAIL INSTALLATION	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 1217+72 TO STA. 1222+72 LT. OF R.M.L. =	450 LF.	1 EACH	1 EACH
STA. 1220+41 TO STA. 1225+41 RT. OF L.M.L. =	450 LF.	1 EACH	1 EACH

STA. 1207+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 86" R.C. PIPE OUTLET
 RETAIN

STA. 1212+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 86" R.C. PIPE OUTLET
 RETAIN

STA. 1217+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 86" R.C. PIPE OUTLET
 RETAIN

STA. 1230+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 2 OPENINGS
 24" X 86" R.C. PIPE OUTLET
 RETAIN

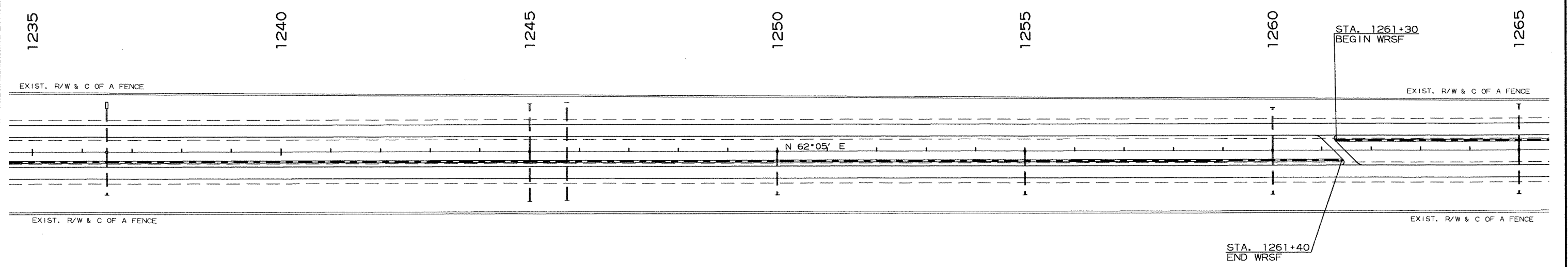
STA. 1236+50 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 84" R.C. PIPE INLET &
 24" X 86" R.C. PIPE OUTLET
 WITH STEEL GRATE ASSEMBLY LT.
 RETAIN

STA. 1245+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=5'-6" 1 OPENING
 24" X 94" R.C. PIPE INLET &
 24" X 98" R.C. PIPE OUTLET
 RETAIN

STA. 1245+75 - IN PLACE
 24" X 196" R.C. PIPE
 RETAIN

STA. 1260+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 84" R.C. PIPE INLET &
 24" X 86" R.C. PIPE OUTLET
 RETAIN

STA. 1261+30 CONSTRUCT
 CROSSOVER AT 45°



STA. 1250+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 86" R.C. PIPE OUTLET
 RETAIN

STA. 1255+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 86" R.C. PIPE OUTLET
 RETAIN

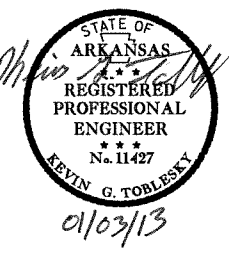
PLAN SHEETS - STA. 1205+00 TO STA. 1265+00

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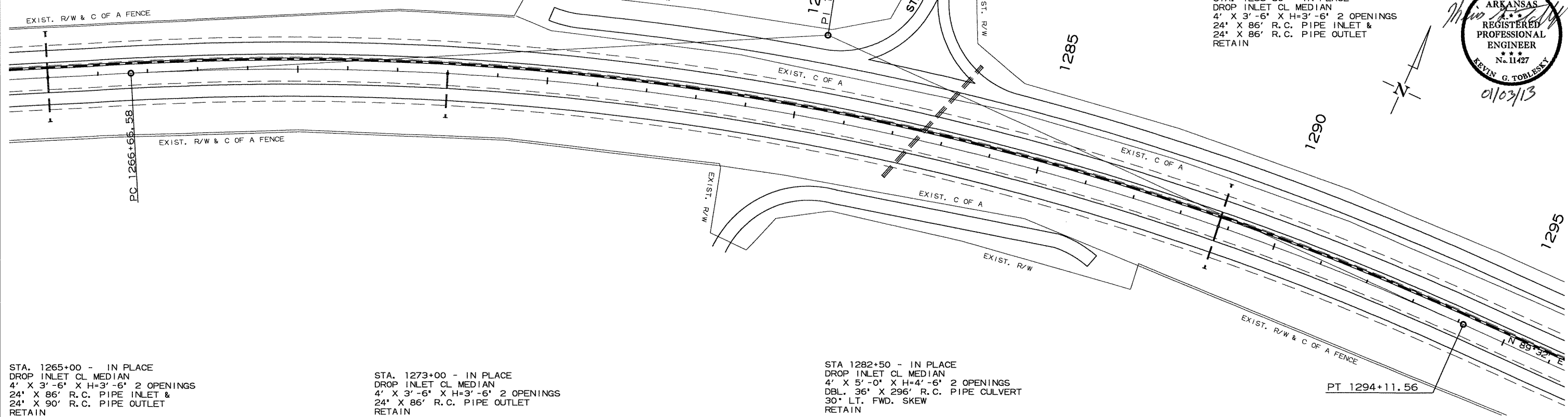
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		79	104

② PLAN SHEETS - STA. 1265+00 TO STA. 1325+00



C.L. MEDIAN
PI = 1280+65.80
Δ = 27°27'00" RT.
D = 1°00'00"
T = 1399.36'
L = 2744.98'
PC = 1266+66.58
PT = 1294+11.56

STA. 1288+80 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 2 OPENINGS
24' X 86' R.C. PIPE INLET &
24' X 86' R.C. PIPE OUTLET
RETAIN

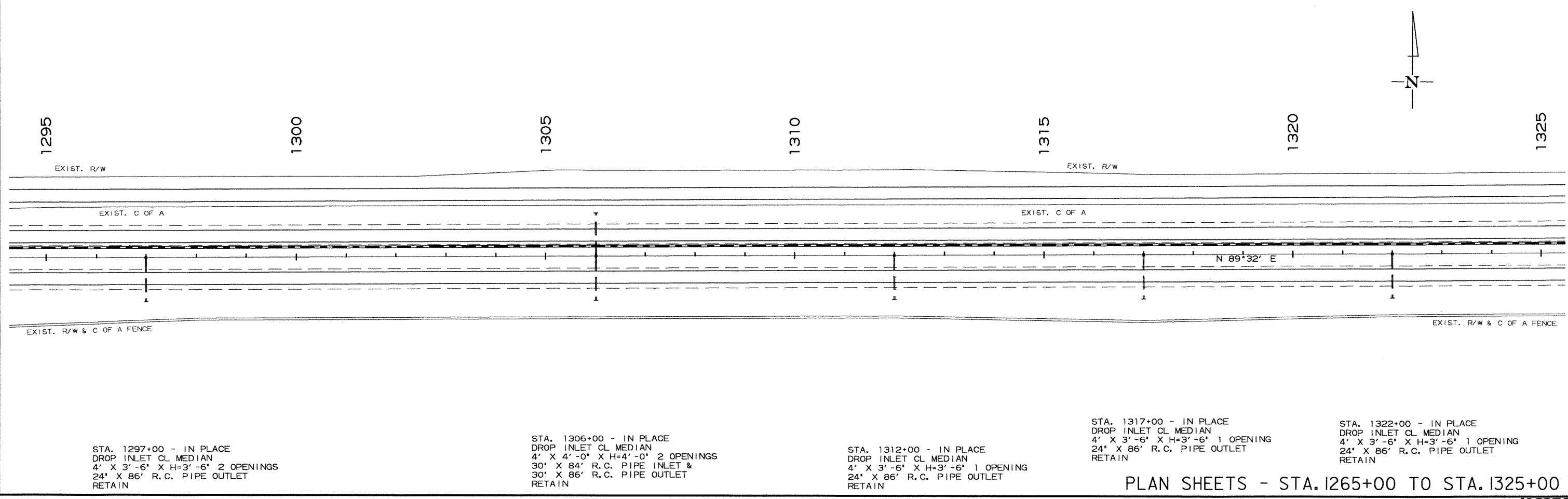


STA. 1265+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 2 OPENINGS
24' X 86' R.C. PIPE INLET &
24' X 90' R.C. PIPE OUTLET
RETAIN

STA. 1273+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 2 OPENINGS
24' X 86' R.C. PIPE OUTLET
RETAIN

STA. 1282+50 - IN PLACE
DROP INLET CL MEDIAN
4' X 5'-0" X H=4'-6" 2 OPENINGS
DBL. 36" X 296' R.C. PIPE CULVERT
30' LT. FWD. SKEW
RETAIN

PT 1294+11.56



STA. 1297+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 2 OPENINGS
24' X 86' R.C. PIPE OUTLET
RETAIN

STA. 1306+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 4'-0" X H=4'-0" 2 OPENINGS
30' X 84' R.C. PIPE INLET &
30' X 86' R.C. PIPE OUTLET
RETAIN

STA. 1312+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 1 OPENING
24' X 86' R.C. PIPE OUTLET
RETAIN

STA. 1317+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 1 OPENING
24' X 86' R.C. PIPE OUTLET
RETAIN

STA. 1322+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 1 OPENING
24' X 86' R.C. PIPE OUTLET
RETAIN

PLAN SHEETS - STA. 1265+00 TO STA. 1325+00



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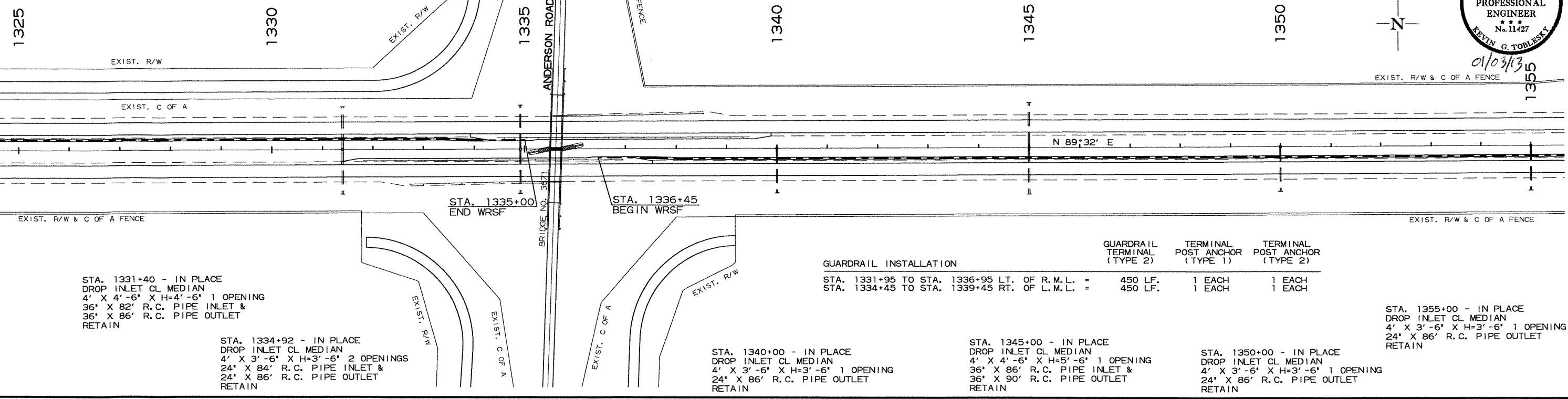
CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN
 STA. 1335+41 TO STA. 1335+69 RT. OF R.M.L. = 28 L.F.
 STA. 1335+54 TO STA. 1335+82 LT. OF L.M.L. = 28 L.F.
 STA. 1335+52 TO STA. 1335+71 MEDIAN = 37 L.F.

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS
 STA. 1335+52 MEDIAN = 1 EACH
 STA. 1335+71 MEDIAN = 1 EACH

GUARDRAIL IN PLACE - RETAIN			
STA.	STA.	SIDE	LIN. FT.
1332+73	1335+42	RT. OF R.M.L.	269
1335+81	1338+50	LT. OF L.M.L.	269

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		80	104

② PLAN SHEETS - STA. 1325+00 TO STA. 1385+00



STA. 1331+40 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 4'-6" X H=4'-6" 1 OPENING
 36" X 82" R.C. PIPE INLET &
 36" X 86" R.C. PIPE OUTLET
 RETAIN

STA. 1334+92 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 2 OPENINGS
 24" X 84" R.C. PIPE INLET &
 24" X 86" R.C. PIPE OUTLET
 RETAIN

STA. 1335+00
END WRSF

STA. 1336+45
BEGIN WRSF

GUARDRAIL INSTALLATION

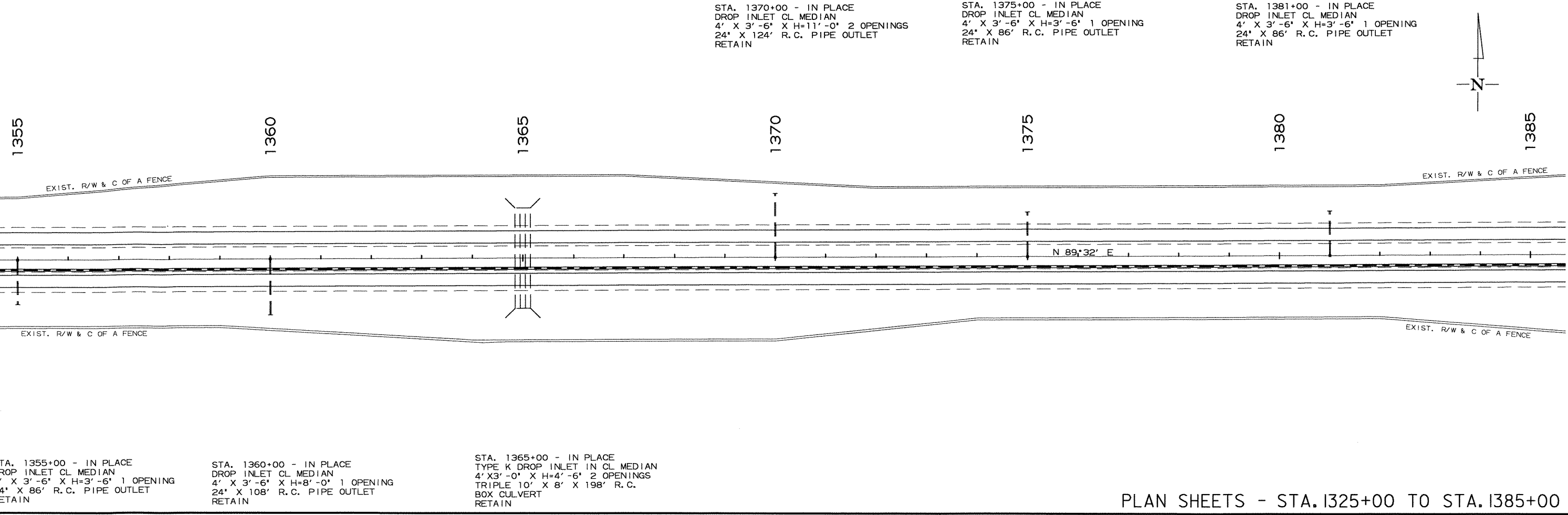
STA.	STA.	LT. OF R.M.L.	RT. OF L.M.L.	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
1331+95	1336+95			450 LF.	1 EACH	1 EACH
1334+45	1339+45			450 LF.	1 EACH	1 EACH

STA. 1340+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 86" R.C. PIPE OUTLET
 RETAIN

STA. 1345+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 4'-6" X H=5'-6" 1 OPENING
 36" X 86" R.C. PIPE INLET &
 36" X 90" R.C. PIPE OUTLET
 RETAIN

STA. 1350+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 86" R.C. PIPE OUTLET
 RETAIN

STA. 1355+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 86" R.C. PIPE OUTLET
 RETAIN



STA. 1355+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 86" R.C. PIPE OUTLET
 RETAIN

STA. 1360+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24" X 108" R.C. PIPE OUTLET
 RETAIN

STA. 1365+00 - IN PLACE
 TYPE K DROP INLET IN CL MEDIAN
 4' X 3'-0" X H=4'-6" 2 OPENINGS
 TRIPLE 10" X 8" X 198" R.C.
 BOX CULVERT
 RETAIN

PLAN SHEETS - STA. 1325+00 TO STA. 1385+00

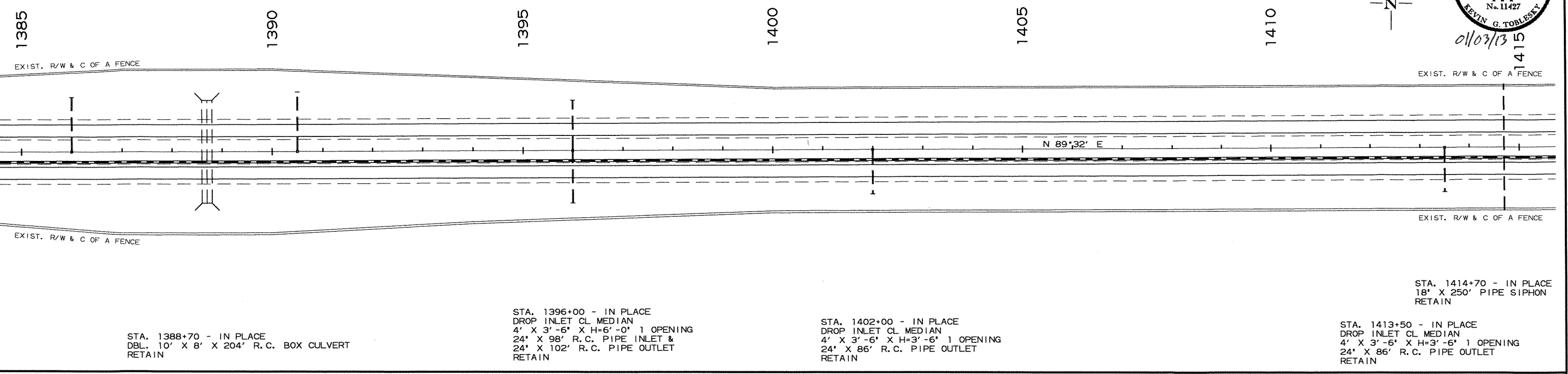
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STA. 1386+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-0" 1 OPENING
 24' X 106' R.C. PIPE OUTLET
 RETAIN

STA. 1390+50 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=11'-6" 2 OPENINGS
 24' X 116' R.C. PIPE OUTLET
 RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						JOB NO.	012177	81 104

② PLAN SHEETS - STA. 1385+00 TO STA. 1445+00



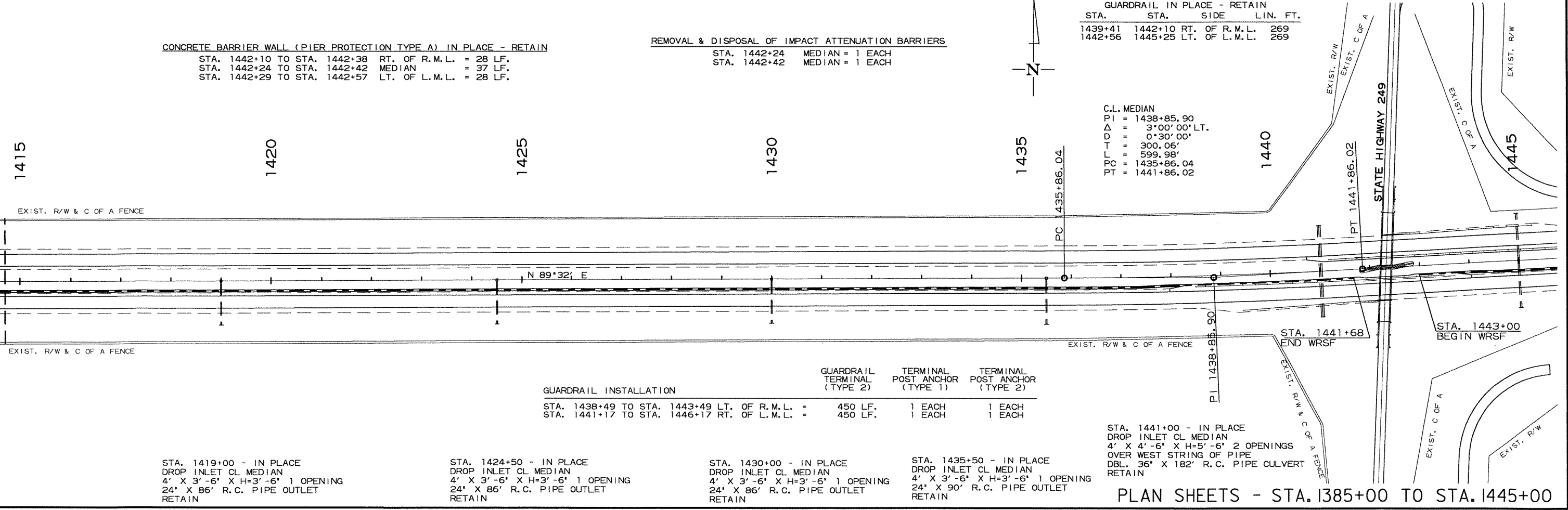
STA. 1388+70 - IN PLACE
 DBL. 10' X 8' X 204' R.C. BOX CULVERT
 RETAIN

STA. 1396+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=6'-0" 1 OPENING
 24' X 98' R.C. PIPE INLET &
 24' X 102' R.C. PIPE OUTLET
 RETAIN

STA. 1402+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24' X 86' R.C. PIPE OUTLET
 RETAIN

STA. 1414+70 - IN PLACE
 18' X 250' PIPE SIPHON
 RETAIN

 STA. 1413+50 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24' X 86' R.C. PIPE OUTLET
 RETAIN



CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN

STA. 1442+10 TO STA. 1442+38	RT. OF R.M.L.	= 28 LF.
STA. 1442+24 TO STA. 1442+42	MEDIAN	= 37 LF.
STA. 1442+29 TO STA. 1442+57	LT. OF L.M.L.	= 28 LF.

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS

STA. 1442+24	MEDIAN = 1 EACH
STA. 1442+42	MEDIAN = 1 EACH

GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
1439+41	1442+10	RT. OF R.M.L.	269
1442+56	1445+25	LT. OF L.M.L.	269

C.L. MEDIAN
 PI = 1438+85.90
 Δ = 3°00'00" LT.
 D = 0°30'00"
 T = 300.06'
 Γ = 599.98'
 PC = 1435+86.04
 PT = 1441+86.02

GUARDRAIL INSTALLATION

GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 1438+49 TO STA. 1443+49 LT. OF R.M.L. = 450 LF.	1 EACH	1 EACH
STA. 1441+17 TO STA. 1446+17 RT. OF L.M.L. = 450 LF.	1 EACH	1 EACH

STA. 1419+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24' X 86' R.C. PIPE OUTLET
 RETAIN

STA. 1424+50 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24' X 86' R.C. PIPE OUTLET
 RETAIN

STA. 1430+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24' X 86' R.C. PIPE OUTLET
 RETAIN

STA. 1435+50 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 3'-6" X H=3'-6" 1 OPENING
 24' X 90' R.C. PIPE OUTLET
 RETAIN

STA. 1441+00 - IN PLACE
 DROP INLET CL MEDIAN
 4' X 4'-6" X H=5'-6" 2 OPENINGS
 OVER WEST STRING OF PIPE
 DBL. 36' X 182' R.C. PIPE CULVERT
 RETAIN

PLAN SHEETS - STA. 1385+00 TO STA. 1445+00

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STA. 1445+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 4'-6" X H=6'-0" 2 OPENINGS
36' X 92' R.C. PIPE INLET &
36' X 92' R.C. PIPE OUTLET
RETAIN

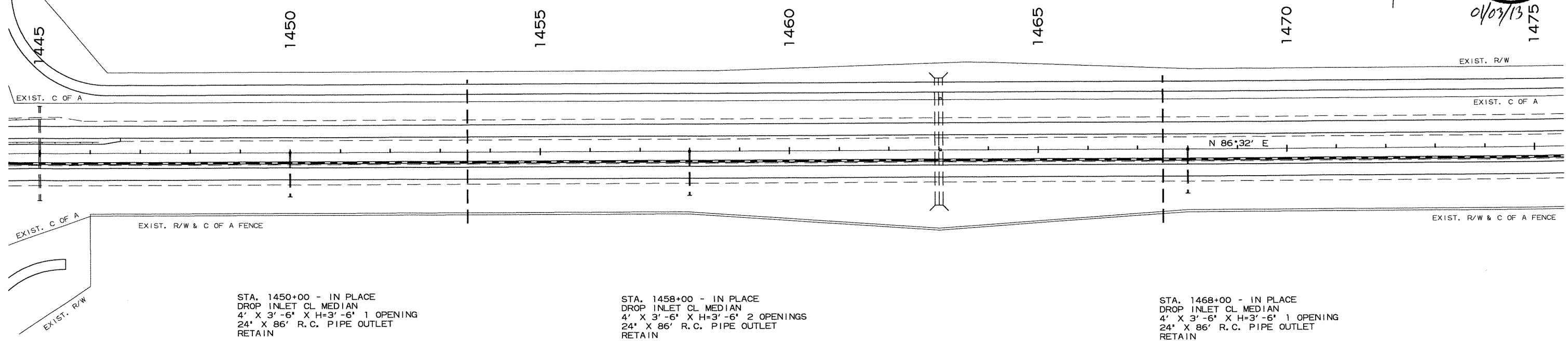
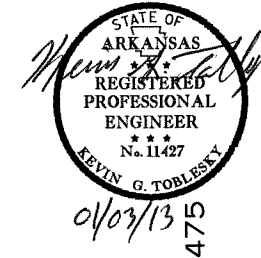
STA. 1453+50 - IN PLACE
18" X 285' PIPE SIPHON
RETAIN

STA. 1463+00 - IN PLACE
TYPE K DROP INLET CL MEDIAN
4' X 4' X H=5'-6" 2 OPENINGS &
TYPE K DROP INLET 102' LT.
4' X 4' X H=1'-9" 2 OPENINGS
DBL. 8' X 4' X 253' R.C. BOX CULVERT
RETAIN

STA. 1467+50 - IN PLACE
18" X 292' PIPE SIPHON
RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		82	104
				JOB NO.	012177		82	104

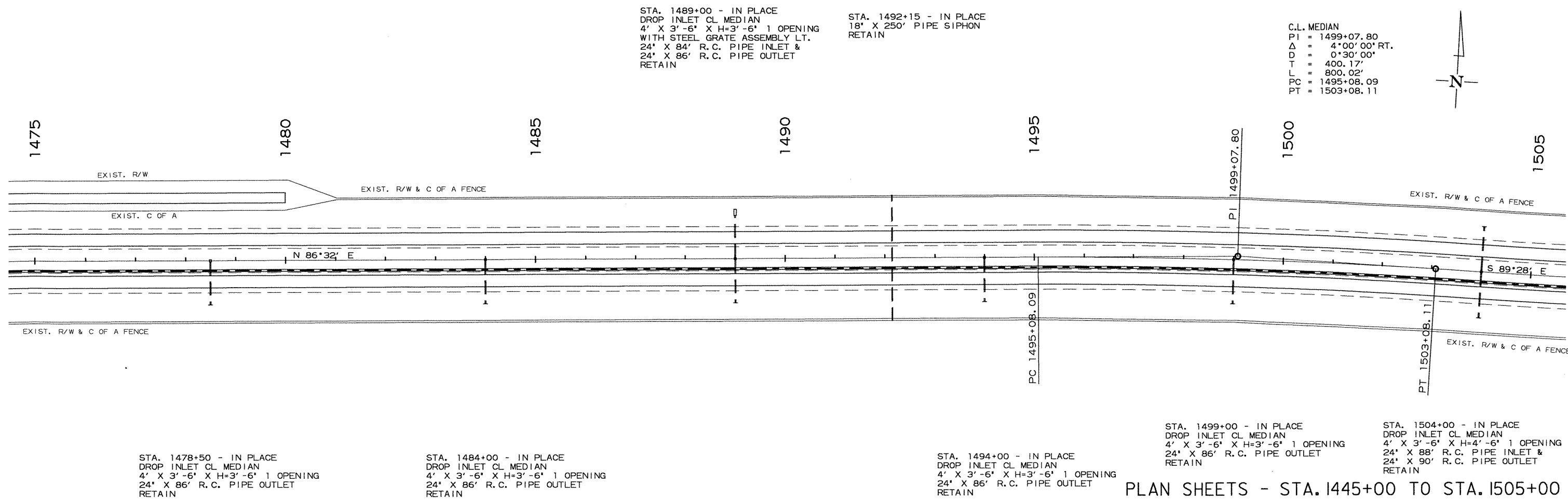
2 PLAN SHEETS - STA. 1445+00 TO STA. 1505+00



STA. 1450+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 1 OPENING
24' X 86' R.C. PIPE OUTLET
RETAIN

STA. 1458+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 2 OPENINGS
24' X 86' R.C. PIPE OUTLET
RETAIN

STA. 1468+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 1 OPENING
24' X 86' R.C. PIPE OUTLET
RETAIN



STA. 1489+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 1 OPENING
WITH STEEL GRATE ASSEMBLY LT.
24' X 84' R.C. PIPE INLET &
24' X 86' R.C. PIPE OUTLET
RETAIN

STA. 1492+15 - IN PLACE
18" X 250' PIPE SIPHON
RETAIN

C.L. MEDIAN

PI	= 1499+07.80
Δ	= 4°00'00" RT.
D	= 0°30'00"
T	= 400.17'
L	= 800.02'
PC	= 1495+08.09
PT	= 1503+08.11

STA. 1478+50 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 1 OPENING
24' X 86' R.C. PIPE OUTLET
RETAIN

STA. 1484+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 1 OPENING
24' X 86' R.C. PIPE OUTLET
RETAIN

STA. 1494+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 1 OPENING
24' X 86' R.C. PIPE OUTLET
RETAIN

STA. 1499+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=3'-6" 1 OPENING
24' X 88' R.C. PIPE INLET &
24' X 90' R.C. PIPE OUTLET
RETAIN

STA. 1504+00 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=4'-6" 1 OPENING
24' X 88' R.C. PIPE INLET &
24' X 90' R.C. PIPE OUTLET
RETAIN

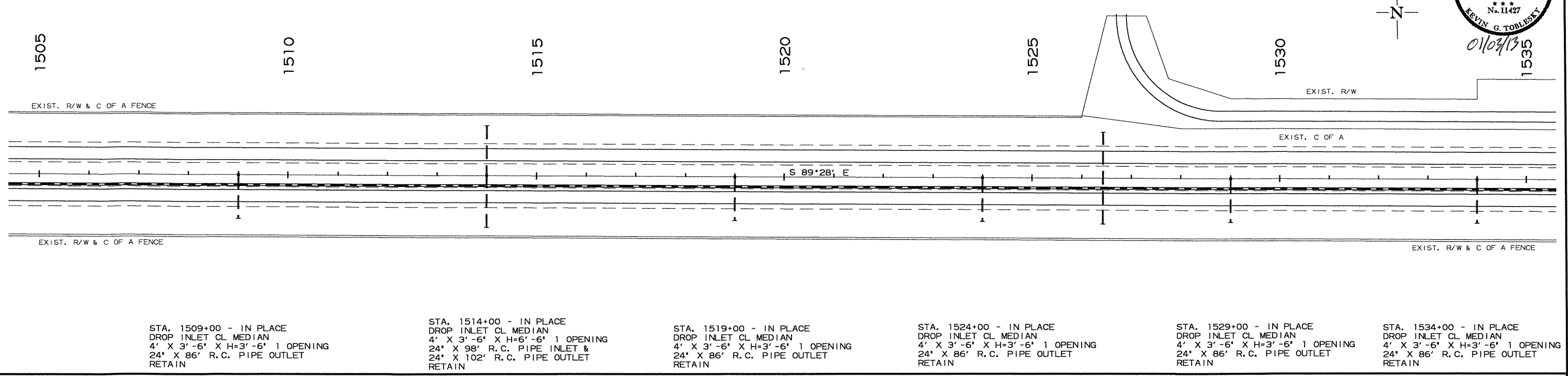
PLAN SHEETS - STA. 1445+00 TO STA. 1505+00

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		83	104

2 PLAN SHEETS - STA. 1505+00 TO STA. 1565+00



STA. 1526+41 - IN PLACE
24' X 184' R.C. PIPE CULVERT
RETAIN



CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN

STA. 1552+87 TO STA. 1552+98	RT. OF R.M.L.	= 29 L.F.
STA. 1552+98 TO STA. 1553+16	LT. - L.M.L.	= 29 L.F.
STA. 1552+98 TO STA. 1553+16	MEDIAN	= 37 L.F.

GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
1550+19	1552+88	RT. OF R.M.L.	269
1554+22	1556+22	RT. OF R.M.L.	200
1553+26	1558+95	LT. OF L.M.L.	569

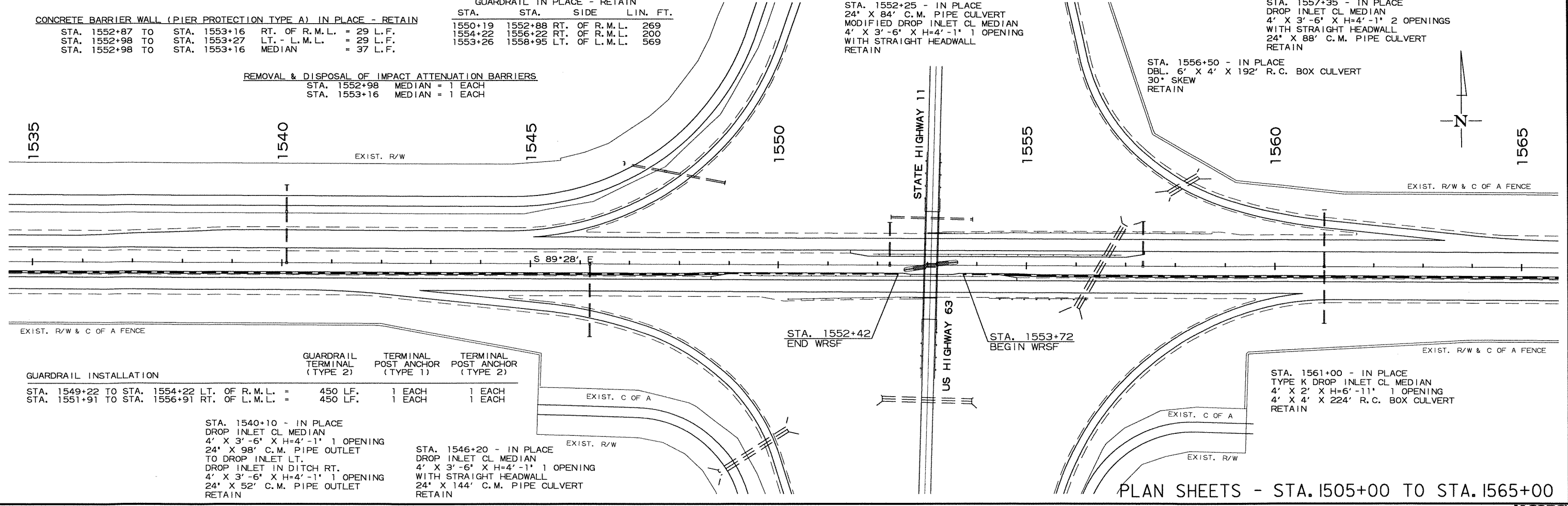
REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS

STA. 1552+98	MEDIAN	= 1 EACH
STA. 1553+16	MEDIAN	= 1 EACH

STA. 1552+25 - IN PLACE
24' X 84' C.M. PIPE CULVERT
MODIFIED DROP INLET CL MEDIAN
4' X 3'-6" X H=4'-1" 1 OPENING
WITH STRAIGHT HEADWALL
RETAIN

STA. 1557+35 - IN PLACE
DROP INLET CL MEDIAN
4' X 3'-6" X H=4'-1" 2 OPENINGS
WITH STRAIGHT HEADWALL
24' X 88' C.M. PIPE CULVERT
RETAIN

STA. 1556+50 - IN PLACE
DBL. 6' X 4' X 192' R.C. BOX CULVERT
30° SKEW
RETAIN



GUARDRAIL INSTALLATION

STA.	STA.	RT. OF R.M.L.	LT. OF L.M.L.	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
1549+22	1554+22			450 LF.	1 EACH	1 EACH
1551+91	1556+91			450 LF.	1 EACH	1 EACH

PLAN SHEETS - STA. 1505+00 TO STA. 1565+00

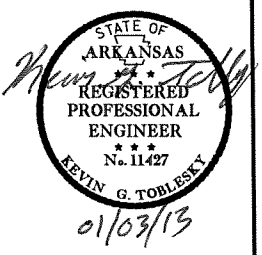


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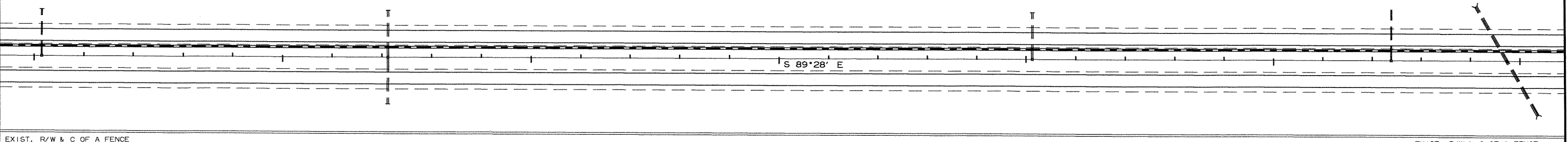
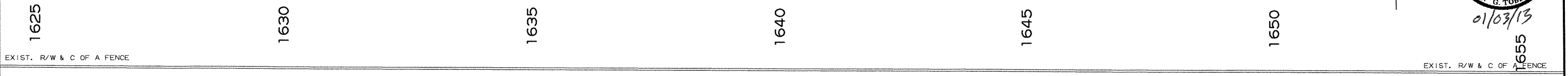
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				6	ARK.				
						JOB NO.	012177	85	104

2 PLAN SHEETS - STA. 1625+00 TO STA. 1685+00



STA. 1632+12.6 - IN PLACE
STRAIGHT TYPE HEADWALLS
36" X 184" CMP PIPE CULV'T
INLET IN RIGHT SIDE
OUTLET IN LEFT SIDE
TYPE H DROP INLET IN MEDIAN
4'-0" X 4'-8" X H = 8'-2" 1 OPENING
RETAIN

STA. 1645+12.7 - IN PLACE
TYPE H DROP INLET IN MEDIAN
4'-0" X 3'-6" X H = 4'-1" 1 OPENING
24" X 92" CMP PIPE WESTBOUND
STRAIGHT TYPE HEADWALLS
OUTLET IN LEFT SIDE
RETAIN



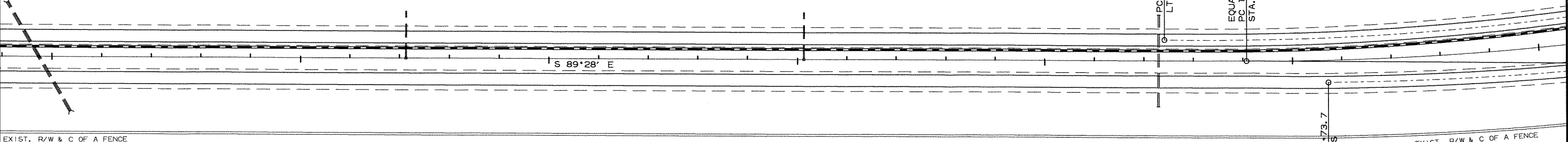
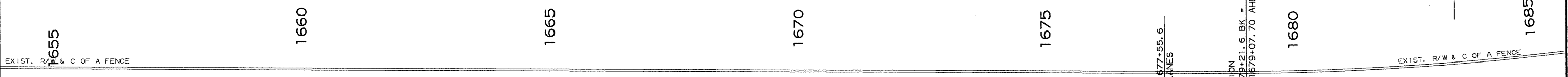
STA. 1662+13 - IN PLACE
TYPE H DROP INLET IN MEDIAN
4'-0" X 3'-6" X H = 4'-1" 1 OPENING
24" X 92" CMP PIPE WESTBOUND
STRAIGHT TYPE HEADWALL
OUTLET IN LEFT SIDE
RETAIN

STA. 1670+13 - IN PLACE
TYPE H DROP INLET IN MEDIAN
4'-0" X 3'-6" X H = 4'-1" 1 OPENING
24" X 92" CMP PIPE WESTBOUND
STRAIGHT TYPE HEADWALL
OUTLET IN LEFT SIDE
RETAIN

STA. 1677+30 - IN PLACE
TYPE H DROP INLET IN MEDIAN
36" X 184" CMP PIPE CULVERT
STRAIGHT TYPE HEADWALL
INLET IN RIGHT SIDE
OUTLET IN LEFT SIDE
RETAIN

STA. 1652+39 - IN PLACE
TYPE H DROP INLET IN MEDIAN
4'-0" X 3'-6" X H = 9'-10" 1 OPENING
24" X 100" CMP PIPE WESTBOUND
STRAIGHT TYPE HEADWALL
OUTLET IN LEFT SIDE
RETAIN

STA. 1654+74 - IN PLACE
DOUBLE 30" SKEW
BOX CULVERT 5' X 5' X 252'
INLET IN RIGHT SIDE
OUTLET IN LEFT SIDE
TYPE K DROP INLET IN MEDIAN
4'-0" X 2'-0" X H = 12'-2" 2 OPENINGS
RETAIN



PC 1677+55.6
LT LANES

EQUAT JDN
PC 1679+21.6 BK =
STA. 1679+07.70 AHD

PC 1680+73.7
RT LANES

PLAN SHEETS - STA. 1625+00 TO STA. 1685+00



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STA. 1686+13 - IN PLACE
STRAIGHT TYPE HEADWALLS
36" X 84" CMP PIPE WESTBOUND
36" X 84" CMP PIPE EASTBOUND (36" STEEL GRATE ON LT)
INLET IN RIGHT SIDE
OUTLET IN LEFT SIDE
RETAIN

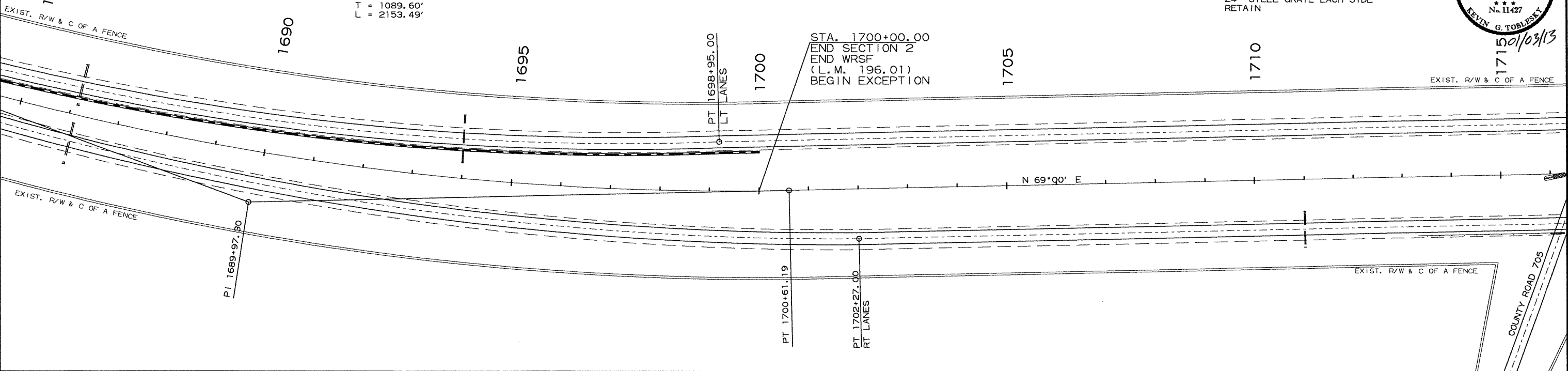
STA. 1694+00 - IN PLACE
L & STRAIGHT TYPE HEADWALLS
24" X 96" CMP PIPE WESTBOUND
INLET IN RIGHT SIDE
OUTLET IN LEFT SIDE
RETAIN

CL MEDIAN, LT & RT LANES
 $\Delta = 21^{\circ}32'00"$ LT
D = 1'00'00"
T = 1089.60'
L = 2153.49'

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		86	104

2 PLAN SHEETS-STA. 1685+00 TO STA. 1715+00

STA. 1711+00 - IN PLACE
STRAIGHT TYPE HEADWALLS
24" X 72" CMP PIPE EASTBOUND
INLET IN LEFT SIDE
OUTLET IN RIGHT SIDE
24" STEEL GRATE EACH SIDE
RETAIN



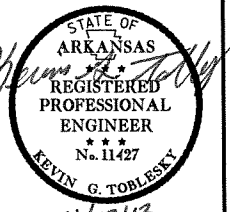
STA. 1810+00 - IN PLACE
L & STRAIGHT TYPE HEADWALLS
24" X 92" CMP PIPE WESTBOUND
24" STEEL GRATE LT
RETAIN

STA. 1826+00 - IN PLACE
TYPE H DROP INLET IN MEDIAN
5'-4" X 5'-4" X H 7'-8" 1 OPENING
24 X 108" CMP
OUTLET IN RIGHT SIDE
RETAIN

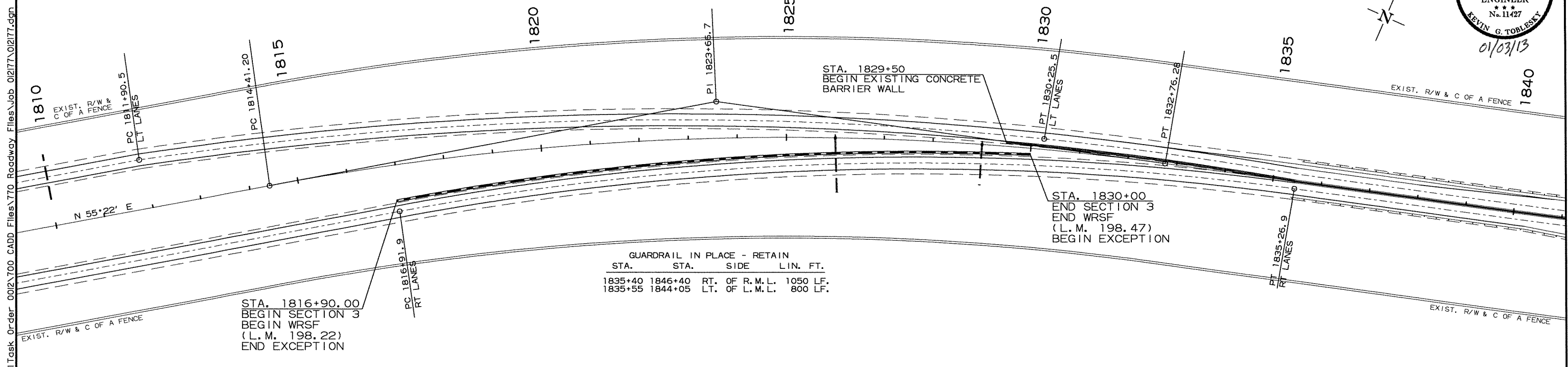
STA. 1829+00 - IN PLACE
TYPE H DROP INLET IN MEDIAN
5'-4" X 5'-4" X H 7'-8" 1 OPENING
24 X 80" CMP EASTBOUND
OUTLET IN RIGHT SIDE
RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		87	104

② PLAN SHEETS-STA. 1810+00 TO STA. 1870+00



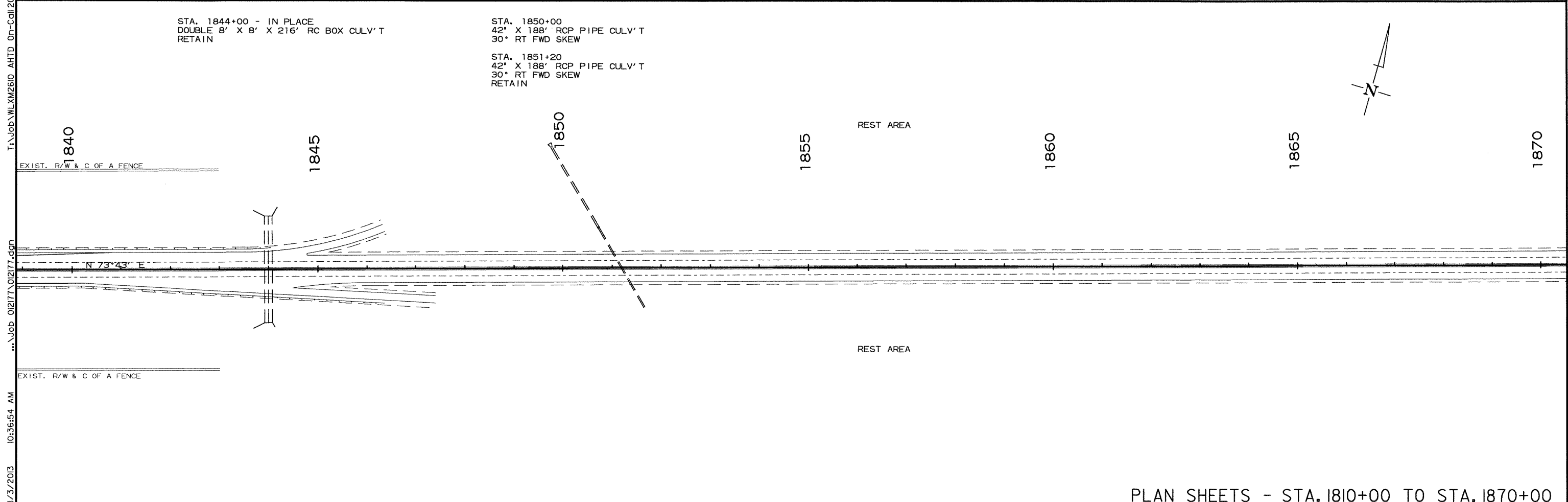
CL. MEDIAN, LT & RT LANES
Δ = 18°21'00" RT
D = 1°00'00"
T = 925.5'
L = 1835.0'



STA. 1844+00 - IN PLACE
DOUBLE 8' X 8' X 216' RC BOX CULV' T
RETAIN

STA. 1850+00
42" X 188" RCP PIPE CULV' T
30° RT FWD SKEW
RETAIN

STA. 1851+20
42" X 188" RCP PIPE CULV' T
30° RT FWD SKEW
RETAIN

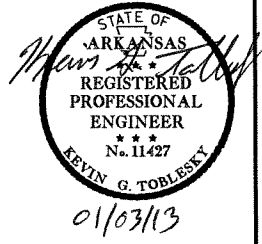


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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		88	104

2 PLAN SHEETS - STA. 1950+00 TO STA. 2010+00



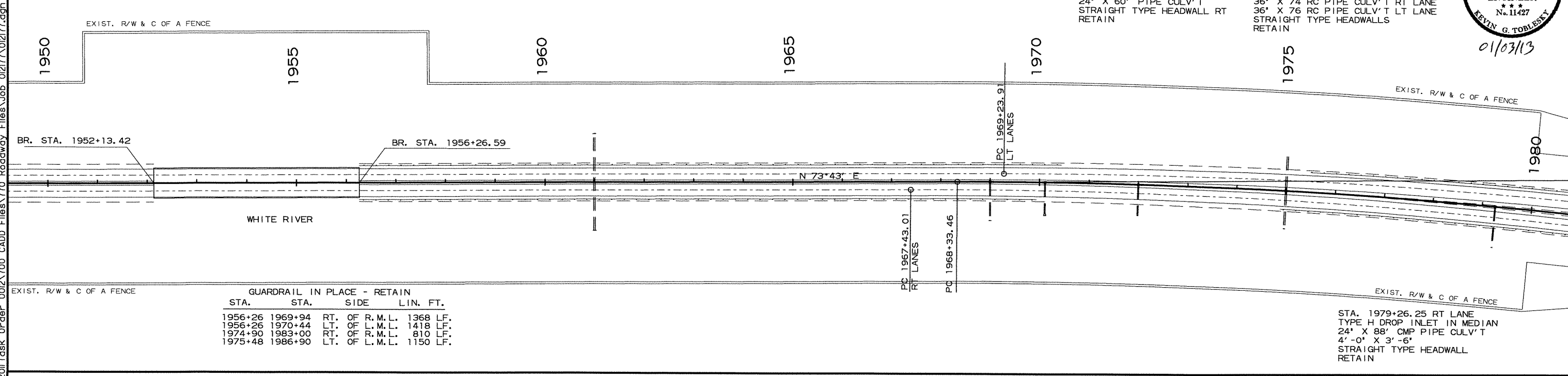
STA. 1961+00
36" X 194" RC PIPE CULV'T
STRAIGHT TYPE HEADWALLS
RETAIN

STA. 1969+00
24" X 76" RCP PIPE CULV'T WITH
TYPE ST DROP INLET IN MEDIAN
STRAIGHT TYPE HEADWALLS
RETAIN

STA. 1970+11.41
TYPE ST DROP INLET WITH
24" X 60" PIPE CULV'T
TO RT WITH F.E.S.
RETAIN

STA. 1972+00
TYPE G DROP INLET
24" X 60" PIPE CULV'T
STRAIGHT TYPE HEADWALL RT
RETAIN

STA. 1975+00
TYPE ST DROP INLET IN MEDIAN
36" X 74 RC PIPE CULV'T RT LANE
36" X 76 RC PIPE CULV'T LT LANE
STRAIGHT TYPE HEADWALLS
RETAIN



GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
1956+26	1969+94	RT. OF R.M.L.	1368 LF.
1956+26	1970+44	LT. OF L.M.L.	1418 LF.
1974+90	1983+00	RT. OF R.M.L.	810 LF.
1975+48	1986+90	LT. OF L.M.L.	1150 LF.

STA. 1982+00
14' X 12' X 116' RC BOX CULV'T
RETAIN

STA. 1986+55
42" X 88" CMP PIPE CULV'T RT LANE
42" X 90" CMP PIPE CULV'T LT LANE
TYPE H DROP INLET IN MEDIAN
4'-0" X 5'-3"
STRAIGHT TYPE HEADWALLS
RETAIN

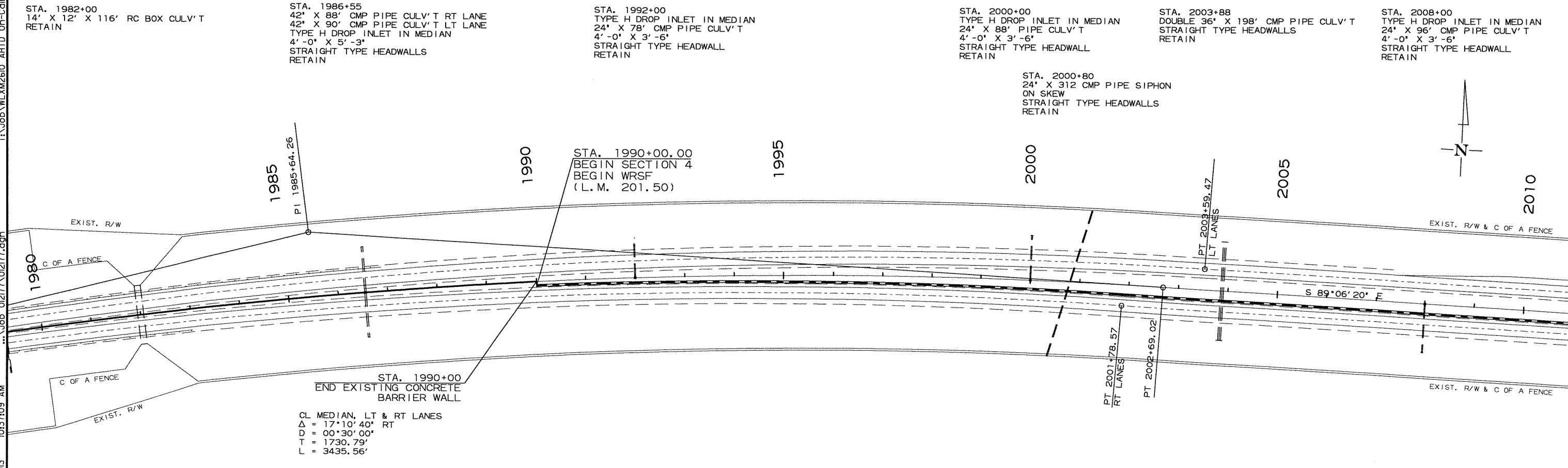
STA. 1992+00
TYPE H DROP INLET IN MEDIAN
24" X 78" CMP PIPE CULV'T
4'-0" X 3'-6"
STRAIGHT TYPE HEADWALL
RETAIN

STA. 2000+00
TYPE H DROP INLET IN MEDIAN
24" X 88" PIPE CULV'T
4'-0" X 3'-6"
STRAIGHT TYPE HEADWALL
RETAIN

STA. 2003+88
DOUBLE 36" X 198" CMP PIPE CULV'T
STRAIGHT TYPE HEADWALLS
RETAIN

STA. 2008+00
TYPE H DROP INLET IN MEDIAN
24" X 96" CMP PIPE CULV'T
4'-0" X 3'-6"
STRAIGHT TYPE HEADWALL
RETAIN

STA. 2000+80
24" X 312 CMP PIPE SIPHON
ON SKEW
STRAIGHT TYPE HEADWALLS
RETAIN



STA. 1990+00
END EXISTING CONCRETE
BARRIER WALL

CL MEDIAN, LT & RT LANES
Δ = 17° 10' 40" RT
D = 00° 30' 00"
T = 1730.79'
L = 3435.56'

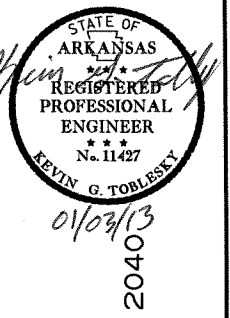
PLAN SHEETS - STA. 1950+00 TO STA. 2010+00



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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		89	104

② PLAN SHEETS - STA. 2010+00 TO STA. 2070+00



STA. 2012+00 (RT LANE)
 TYPE H DROP INLET IN MEDIAN
 24" X 96" CMP PIPE CULV'T
 4'-0" X 3'-6"
 STRAIGHT TYPE HEADWALL
 RETAIN

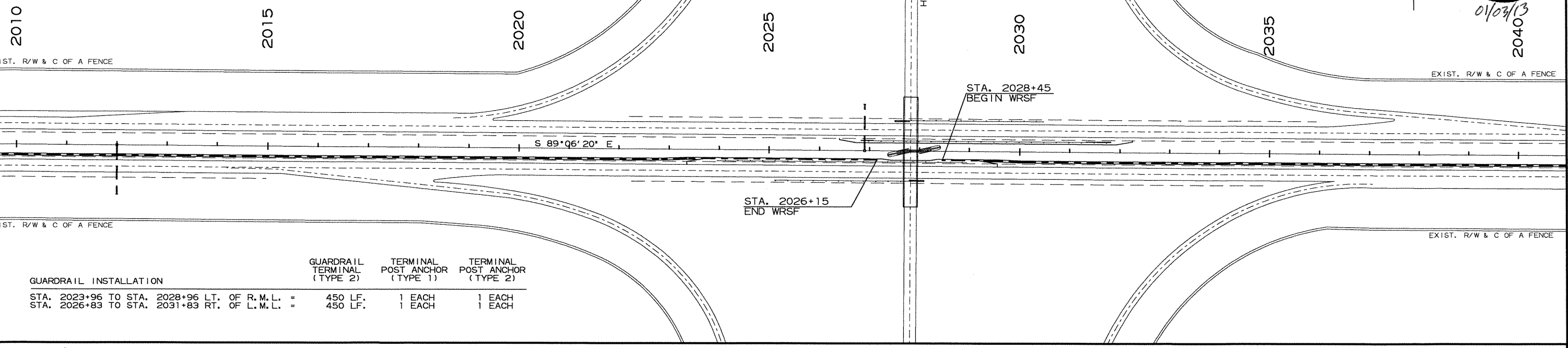
REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS
 STA. 2027+80 MEDIAN = 1 EACH
 STA. 2027+99 MEDIAN = 1 EACH

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN
 STA. 2027+80 TO STA. 2027+99 MEDIAN = 30 LF
 STA. 2027+80 TO STA. 2028+09 RT OF R.M.L. = 29 LF
 STA. 2027+51 TO STA. 2027+80 LT OF L.M.L. = 29 LF

GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
2025+12	2027+80	RT. OF R.M.L.	268 LF.
2027+79	2030+47	LT. OF L.M.L.	268 LF.

STA. 2026+90
 TYPE H DROP INLET IN MEDIAN
 24" X 90" CMP PIPE CULV'T
 4'-0" X 5'-3"
 STRAIGHT TYPE HEADWALL
 RETAIN



GUARDRAIL INSTALLATION

STA.	STA.	LT. OF R.M.L.	RT. OF L.M.L.	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
2023+96	2028+96			450 LF.	1 EACH	1 EACH
2026+83	2031+83			450 LF.	1 EACH	1 EACH

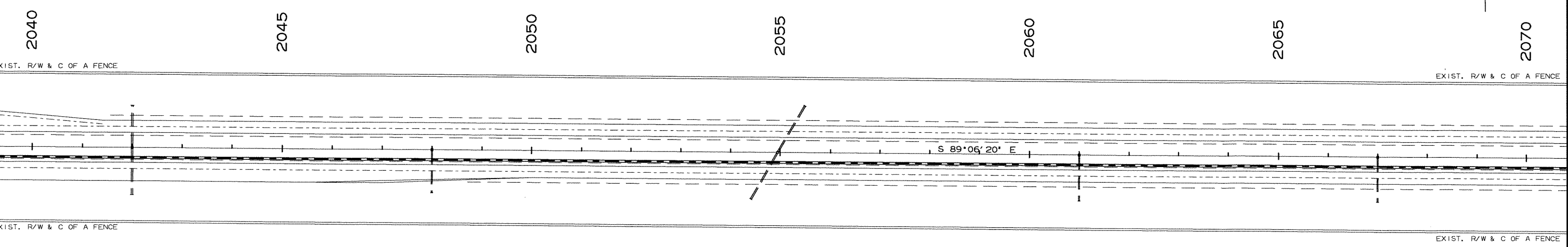
STA. 2042+00
 TYPE H DROP INLET IN MEDIAN
 36" X 92" CMP PIPE CULV'T RT LANE
 36" X 82" CMP PIPE CULV'T LT LANE
 4'-0" X 3'-6"
 STRAIGHT TYPE HEADWALLS
 RETAIN

STA. 2048+00
 TYPE H DROP INLET IN MEDIAN
 24" X 84" CMP PIPE CULV'T
 4'-0" X 3'-6"
 STRAIGHT TYPE HEADWALL
 MODIFIED DROP INLET
 RETAIN

STA. 2054+95
 TYPE H DROP INLET IN MEDIAN
 30" X 216" CMP PIPE CULV'T
 30" X 106" CMP PIPE CULV'T RT LANE
 30" X 106" CMP PIPE CULV'T LT LANE
 30" SKEW 4'-0" X 4'-1"
 STRAIGHT TYPE HEADWALL
 RETAIN

STA. 2061+00
 TYPE H DROP INLET IN MEDIAN
 24" X 90" CMP PIPE CULV'T
 4'-0" X 3'-6"
 STRAIGHT TYPE HEADWALL
 RETAIN

STA. 2067+00
 TYPE H DROP INLET IN MEDIAN
 24" X 88" CMP PIPE CULV'T
 4'-0" X 3'-6" X H = 4'-1"
 STRAIGHT TYPE HEADWALL
 RETAIN



STA. 2085+16
 TYPE K DROP INLET IN MEDIAN
 6' X 5' X 195' RC BOX CULV'T
 30° SKEW 4'-0" X 3'-6"
 L & STRAIGHT TYPE HEADWALLS
 RETAIN

STA. 2092+00
 TYPE H DROP INLET IN MEDIAN
 24' X 88' CMP PIPE CULV'T
 4'-0" X 3'-6" X H = 3'-11"
 STRAIGHT TYPE HEADWALL
 TERM. AN. POST
 1 EACH
 RETAIN

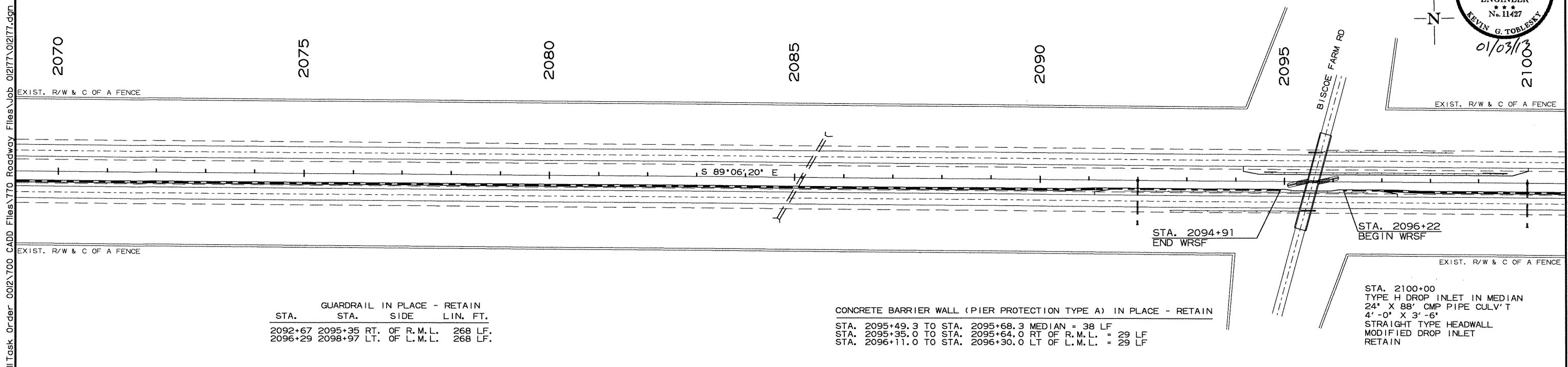
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		90	104

2 PLAN SHEETS - STA. 2070+00 TO STA. 2130+00



GUARDRAIL INSTALLATION		GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
STA. 2091+72 TO STA. 2096+72	LT. OF R.M.L.	= 450 LF.	1 EACH	1 EACH
STA. 2094+72 TO STA. 2099+72	RT. OF L.M.L.	= 450 LF.	1 EACH	1 EACH

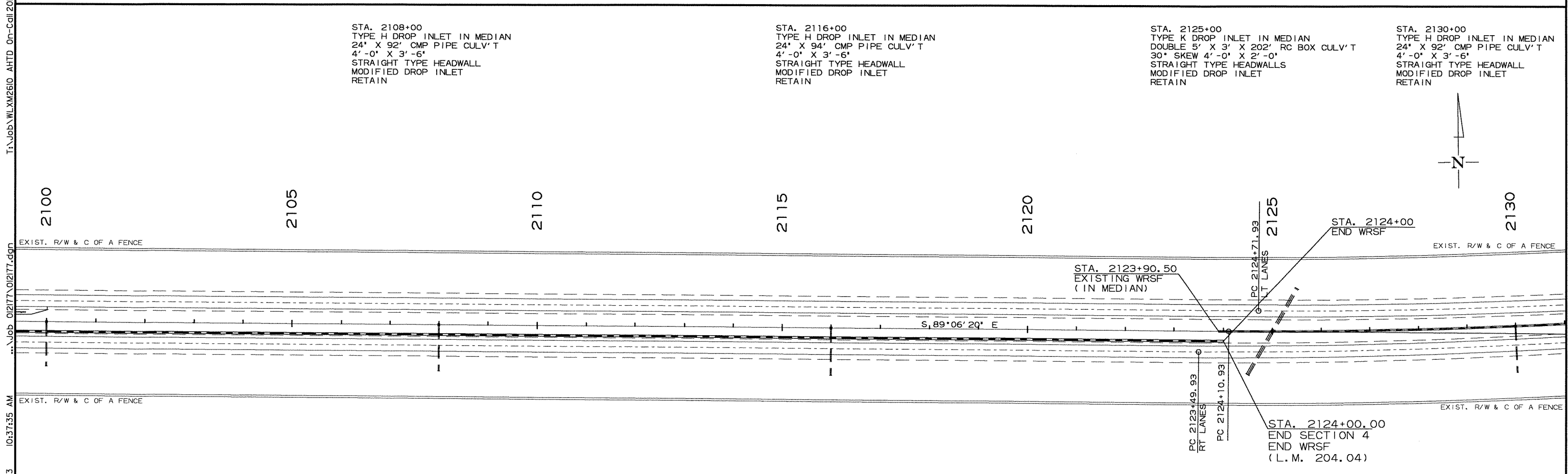
REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS
 STA. 2095+49.3 MEDIAN = 1 EACH
 STA. 2095+68.3 MEDIAN = 1 EACH



STA.	STA.	SIDE	LIN. FT.
2092+67	2095+35	RT. OF R.M.L.	268 LF.
2096+29	2098+97	LT. OF L.M.L.	268 LF.

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN
 STA. 2095+49.3 TO STA. 2095+68.3 MEDIAN = 38 LF
 STA. 2095+35.0 TO STA. 2095+64.0 RT OF R.M.L. = 29 LF
 STA. 2096+11.0 TO STA. 2096+30.0 LT OF L.M.L. = 29 LF

STA. 2100+00
 TYPE H DROP INLET IN MEDIAN
 24' X 88' CMP PIPE CULV'T
 4'-0" X 3'-6"
 STRAIGHT TYPE HEADWALL
 MODIFIED DROP INLET
 RETAIN



STA. 2108+00
 TYPE H DROP INLET IN MEDIAN
 24' X 92' CMP PIPE CULV'T
 4'-0" X 3'-6"
 STRAIGHT TYPE HEADWALL
 MODIFIED DROP INLET
 RETAIN

STA. 2116+00
 TYPE H DROP INLET IN MEDIAN
 24' X 94' CMP PIPE CULV'T
 4'-0" X 3'-6"
 STRAIGHT TYPE HEADWALL
 MODIFIED DROP INLET
 RETAIN

STA. 2125+00
 TYPE K DROP INLET IN MEDIAN
 DOUBLE 5' X 3' X 202' RC BOX CULV'T
 30° SKEW 4'-0" X 2'-0"
 STRAIGHT TYPE HEADWALLS
 MODIFIED DROP INLET
 RETAIN

STA. 2130+00
 TYPE H DROP INLET IN MEDIAN
 24' X 92' CMP PIPE CULV'T
 4'-0" X 3'-6"
 STRAIGHT TYPE HEADWALL
 MODIFIED DROP INLET
 RETAIN

STA. 2123+90.50
 EXISTING WRSF
 (IN MEDIAN)

STA. 2124+00
 END WRSF

STA. 2124+00.00
 END SECTION 4
 END WRSF
 (L.M. 204.04)

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STA. 2136+00
TYPE H DROP INLET IN MEDIAN
24" X 92" CMP PIPE CULV'T
4' -0" X 3' -6"
STRAIGHT TYPE HEADWALL
MODIFIED DROP INLET
RETAIN

STA. 2142+00
TYPE H DROP INLET IN MEDIAN
24" X 86" CMP PIPE CULV'T
4' -0" X 3' -6"
STRAIGHT TYPE HEADWALL
MODIFIED DROP INLET
RETAIN

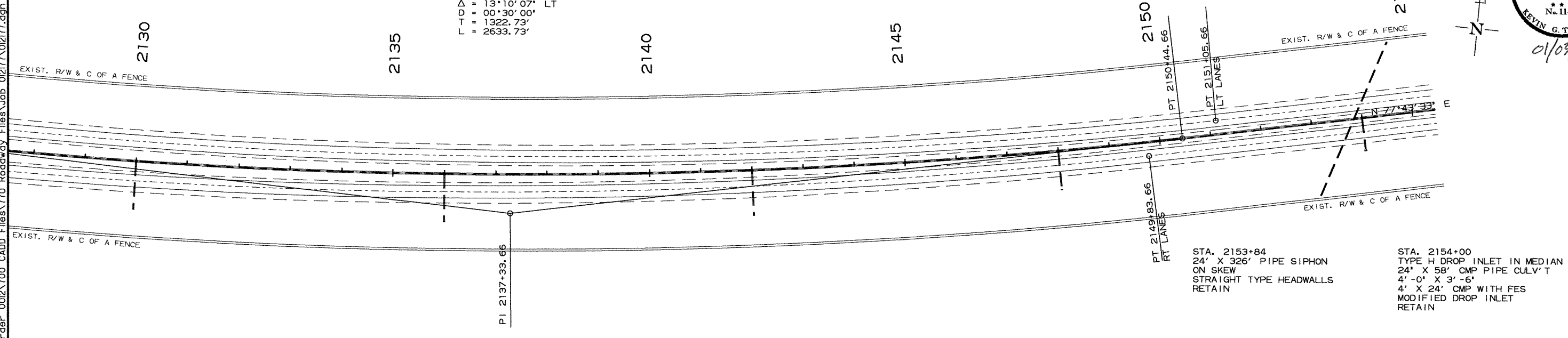
STA. 2148+00
TYPE H DROP INLET IN MEDIAN
24" X 74" CMP PIPE CULV'T
4' -0" X 3' -6"
STRAIGHT TYPE HEADWALL
MODIFIED DROP INLET
RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		91	104

2 PLAN SHEETS-STA. 2130+00 TO STA. 2155+00



CL. MEDIAN, LT & RT LANES
 $\Delta = 13^{\circ}10'07''$ LT
DD = $00^{\circ}30'00''$
T = 1322.73'
L = 2633.73'



STA. 2153+84
24" X 326" PIPE SIPHON
ON SKEW
STRAIGHT TYPE HEADWALLS
RETAIN

STA. 2154+00
TYPE H DROP INLET IN MEDIAN
24" X 58" CMP PIPE CULV'T
4' -0" X 3' -6"
4' X 24" CMP WITH FES
MODIFIED DROP INLET
RETAIN

PT 2149+83.66
RT LANES

PT 2150+44.66
LT LANES

PT 2151+05.66
LT LANES

PT 2137+33.66
PI

2150

2155

2130

2135

2140

2145

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

2150

2155

2130

2135

2140

2145

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

2150

2155

2130

2135

2140

2145

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

2150

2155

2130

2135

2140

2145

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

2150

2155

2130

2135

2140

2145

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

2150

2155

2130

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EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

2150

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EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

2150

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EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

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EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

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EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

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EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

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EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

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EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

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EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

PT 2137+33.66

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EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

EXIST. R/W & C OF A FENCE

LT LANES

RT LANES

N 77°43'33" E

PT 2149+83.66

PT 2150+44.66

PT 2151+05.66

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STA. 2625+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H=2'-9"
 24" X 72" R.C. PIPE OUTLET TO RT.
 WITH F.E.S.
 RETAIN

STA. 2631+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3' X 162' R.C. BOX CULVERT WITH
 TYPE K DROP INLET IN MEDIAN OVER R.C. BOX
 RETAIN

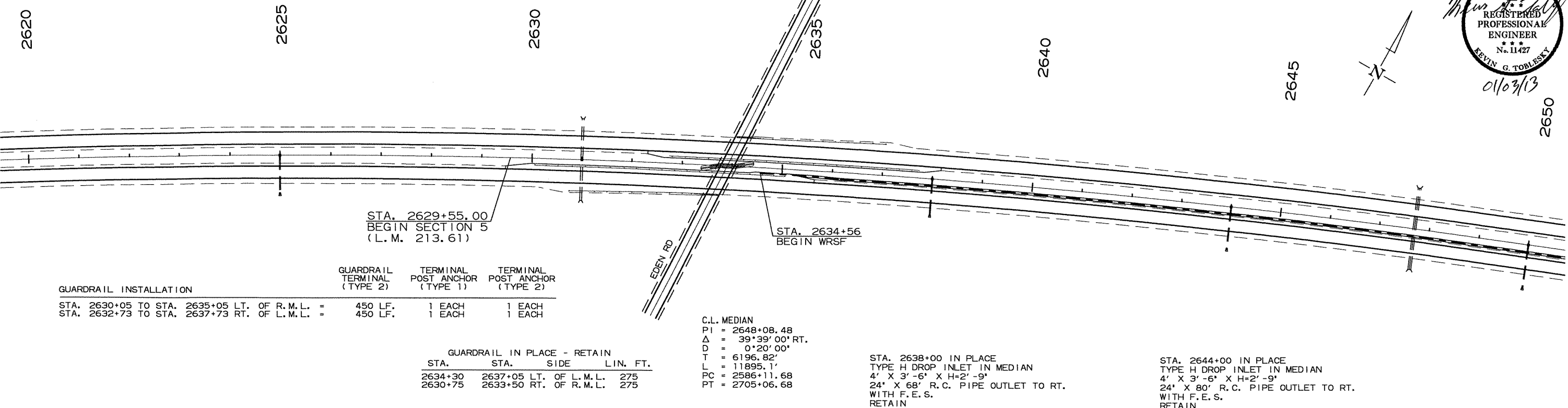
CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN
 STA. 2633+46 TO STA. 2633+74 RT. OF R.M.L. = 28 LF.
 STA. 2633+81 TO STA. 2633+97 MEDIAN = 35 LF.
 STA. 2634+07 TO STA. 2634+35 LT. OF L.M.L. = 28 LF.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		92	104
				JOB NO.	012177			

2 PLAN SHEETS - STA. 2620+00 TO STA. 2680+00

REMOVAL & DISPOSAL OF IMPACT ATTENUATION BARRIERS
 STA. 2633+63 MEDIAN = 1 EACH
 STA. 2634+20 MEDIAN = 1 EACH

STA. 2647+70 IN PLACE
 DBL. 6' X 3' X 163' R.C. BOX CULVERT
 RETAIN



GUARDRAIL INSTALLATION			
STA.	STA.	LT. OF R.M.L.	RT. OF L.M.L.
2630+05	2635+05		
2632+73	2637+73		

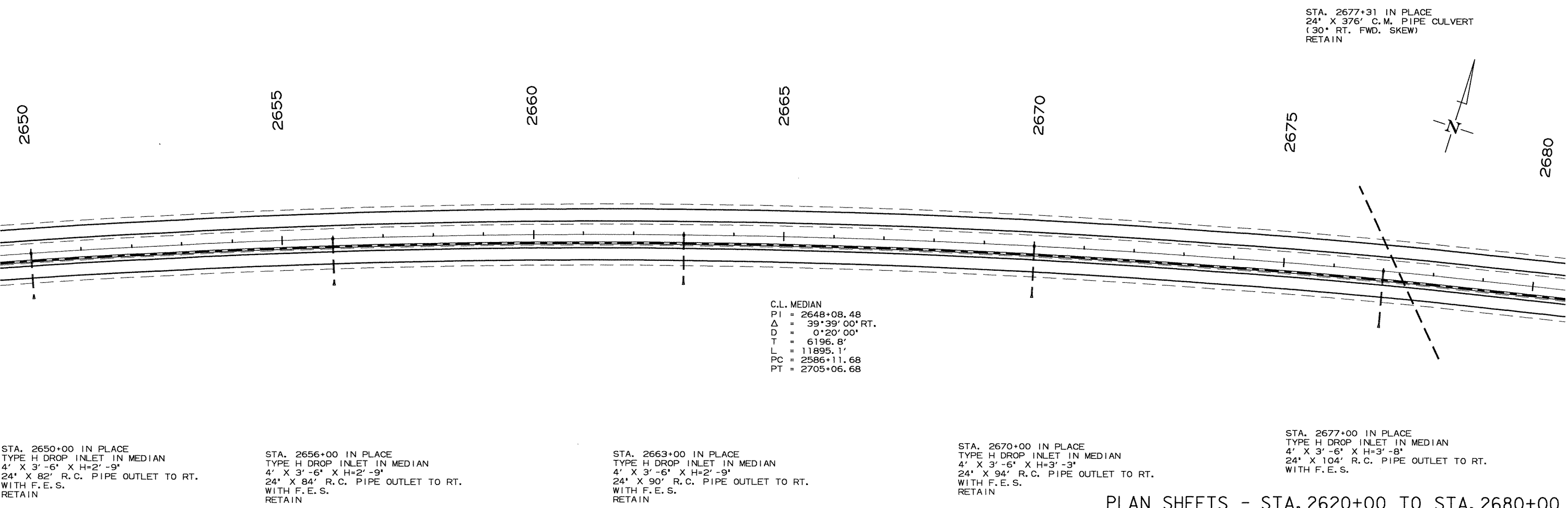
GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
450 LF.	1 EACH	1 EACH
450 LF.	1 EACH	1 EACH

GUARDRAIL IN PLACE - RETAIN			
STA.	STA.	SIDE	LIN. FT.
2634+30	2637+05	LT. OF L.M.L.	275
2630+75	2633+50	RT. OF R.M.L.	275

C.L. MEDIAN
 PI = 2648+08.48
 Δ = 39°39'00" RT.
 D = 0°20'00"
 T = 6196.82'
 L = 11895.1'
 PC = 2586+11.68
 PT = 2705+06.68

STA. 2638+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H=2'-9"
 24" X 68" R.C. PIPE OUTLET TO RT.
 WITH F.E.S.
 RETAIN

STA. 2644+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H=2'-9"
 24" X 80" R.C. PIPE OUTLET TO RT.
 WITH F.E.S.
 RETAIN



C.L. MEDIAN
 PI = 2648+08.48
 Δ = 39°39'00" RT.
 D = 0°20'00"
 T = 6196.8'
 L = 11895.1'
 PC = 2586+11.68
 PT = 2705+06.68

STA. 2650+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H=2'-9"
 24" X 82" R.C. PIPE OUTLET TO RT.
 WITH F.E.S.
 RETAIN

STA. 2656+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H=2'-9"
 24" X 84" R.C. PIPE OUTLET TO RT.
 WITH F.E.S.
 RETAIN

STA. 2663+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H=2'-9"
 24" X 90" R.C. PIPE OUTLET TO RT.
 WITH F.E.S.
 RETAIN

STA. 2670+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H=3'-3"
 24" X 94" R.C. PIPE OUTLET TO RT.
 WITH F.E.S.
 RETAIN

STA. 2677+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H=3'-8"
 24" X 104" R.C. PIPE OUTLET TO RT.
 WITH F.E.S.

PLAN SHEETS - STA. 2620+00 TO STA. 2680+00

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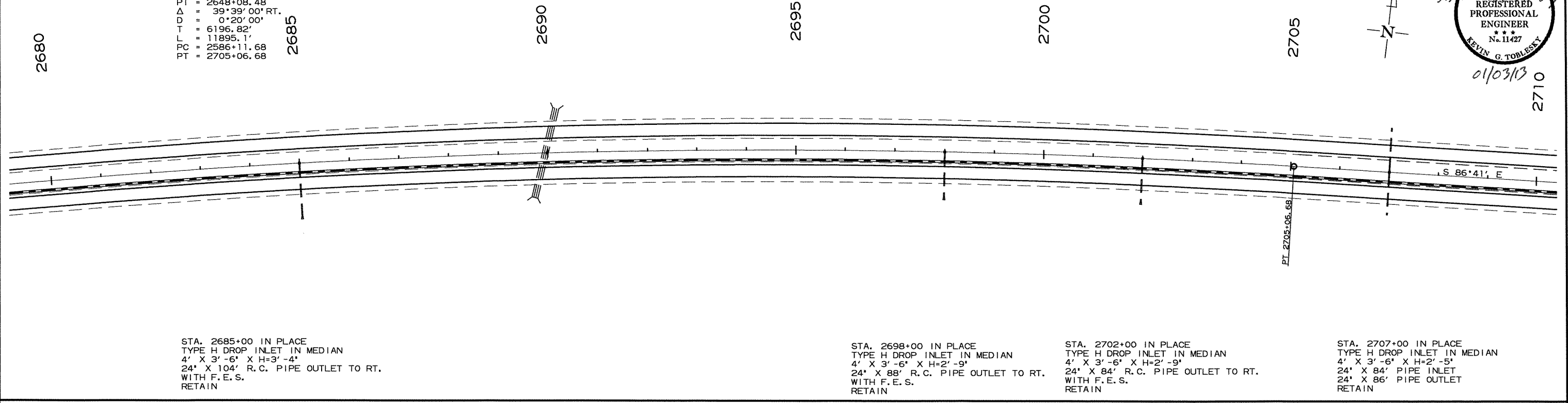
STA. 2689+95 IN PLACE
TRIP. 8' X 4' X 184' R.C. BOX CULVERT
(15' +/- LT. FWD. SKEW) WITH
TYPE K DROP INLET IN MEDIAN OVER R.C. BOX
RETAIN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177	93	104	

② PLAN SHEETS-STA. 2680+00 TO STA. 2755+00

C.L. MEDIAN
PI = 2648+08.48
Δ = 39°39'00" RT.
D = 0°20'00"
T = 6196.82'
PC = 11895.1'
PT = 2586+11.68
PT = 2705+06.68

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
01/03/13 2710



STA. 2685+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H=3'-4"
24" X 104' R.C. PIPE OUTLET TO RT.
WITH F.E.S.
RETAIN

STA. 2698+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H=2'-9"
24" X 88' R.C. PIPE OUTLET TO RT.
WITH F.E.S.
RETAIN

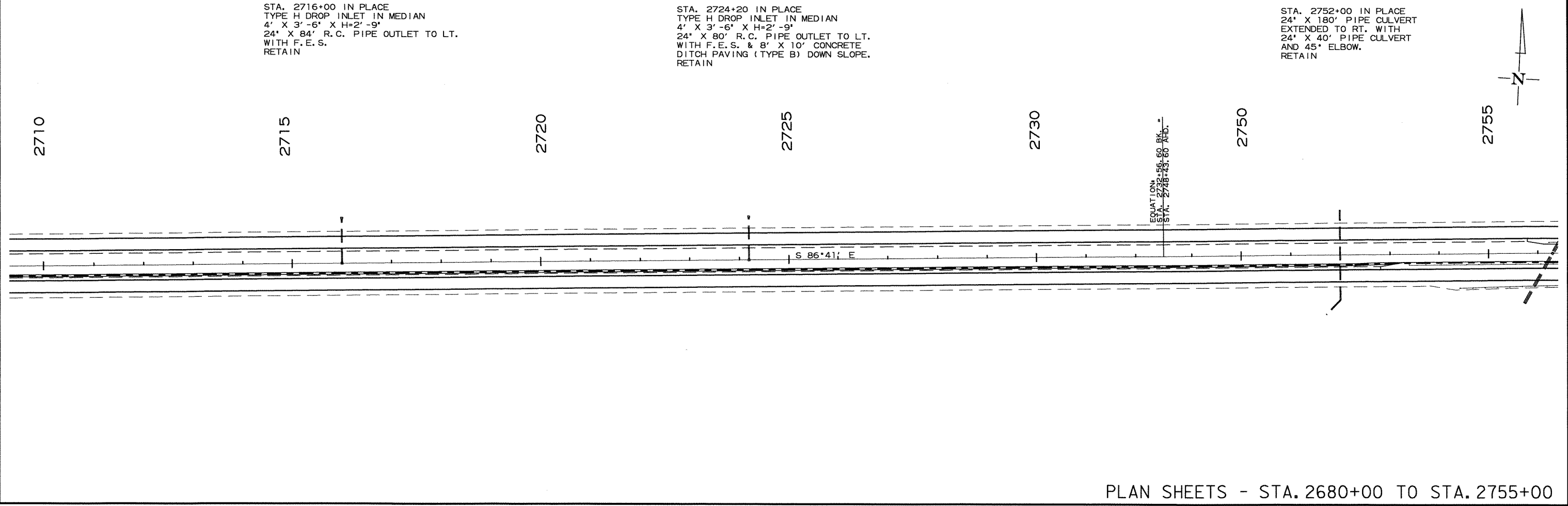
STA. 2702+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H=2'-9"
24" X 84' R.C. PIPE OUTLET TO RT.
WITH F.E.S.
RETAIN

STA. 2707+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H=2'-5"
24" X 84' PIPE INLET
24" X 86' PIPE OUTLET
RETAIN

STA. 2716+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H=2'-9"
24" X 84' R.C. PIPE OUTLET TO LT.
WITH F.E.S.
RETAIN

STA. 2724+20 IN PLACE
TYPE H DROP INLET IN MEDIAN
4' X 3'-6" X H=2'-9"
24" X 80' R.C. PIPE OUTLET TO LT.
WITH F.E.S. & 8' X 10' CONCRETE
DITCH PAVING (TYPE B) DOWN SLOPE.
RETAIN

STA. 2752+00 IN PLACE
24" X 180' PIPE CULVERT
EXTENDED TO RT. WITH
24" X 40' PIPE CULVERT
AND 45° ELBOW.
RETAIN



I:\Job\WLM260 AHTD On-Call 2011 Task Order 002\700 CADD Files\770 Roadway Files\Job 012177\012177.dgn
 I:\Job\WLM260 AHTD On-Call 2011 Task Order 002\700 CADD Files\770 Roadway Files\Job 012177\012177.dgn
 1/3/2013 1:42:07 PM

STA. 2756+30 IN PLACE
 DBL. 30' X 230' PIPE CULVERT
 (30° LT. FWD SKEW) WITH
 TYPE H DROP INLET IN MEDIAN OVER PIPE
 4' X 3'-6" X H=3'-7"
 RETAIN

REMOVAL & DISPOSAL OF IMPACT
 ATTENUATION BARRIERS
 STA. 2757+18 MEDIAN = 1 EACH
 STA. 2757+93 MEDIAN = 1 EACH

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A) IN PLACE - RETAIN

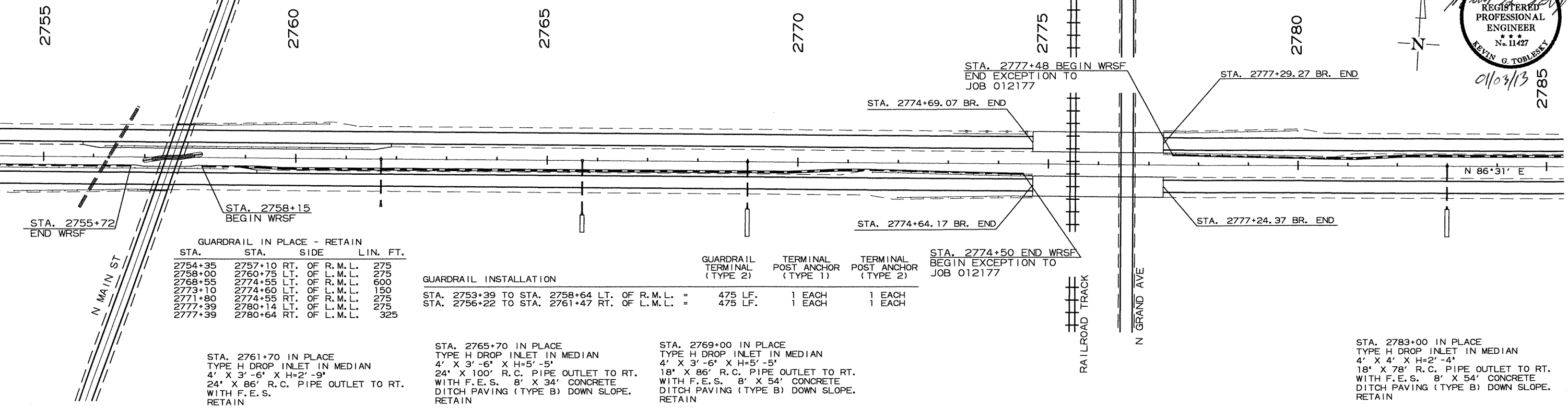
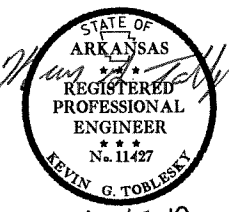
STA. 2757+12 TO STA. 2757+45 RT. OF R.M.L. = 33 LF.
 STA. 2757+40 TO STA. 2757+63 MEDIAN = 45 LF.
 STA. 2757+65 TO STA. 2757+98 LT. OF L.M.L. = 33 LF.

CONCRETE DITCH PAVING (TYPE B) IN PLACE - RETAIN

STA. 2765+72 TO STA. 2773+00 MEDIAN (W = 6'-0") = 485.3 SQ. YD.
 STA. 2779+00 TO STA. 2787+98 MEDIAN (W = 6'-0") = 598.7 SQ. YD.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		94	104
							JOB NO. 012177	

2 PLAN SHEETS - STA. 2755+00 TO STA. 2815+00



GUARDRAIL IN PLACE - RETAIN

STA.	STA.	SIDE	LIN. FT.
2754+35	2757+10	RT. OF R.M.L.	275
2758+00	2760+75	LT. OF L.M.L.	275
2768+55	2774+55	LT. OF R.M.L.	600
2773+10	2774+60	LT. OF L.M.L.	150
2771+80	2774+55	RT. OF R.M.L.	275
2777+39	2780+14	LT. OF L.M.L.	275
2777+39	2780+64	RT. OF L.M.L.	325

GUARDRAIL INSTALLATION

STA.	STA.	SIDE	LIN. FT.	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL POST ANCHOR (TYPE 1)	TERMINAL POST ANCHOR (TYPE 2)
2753+39	2758+64	LT. OF R.M.L.	475	1 EACH	1 EACH	
2756+22	2761+47	RT. OF L.M.L.	475	1 EACH	1 EACH	

STA. 2761+70 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H=2'-9"
 24' X 86' R.C. PIPE OUTLET TO RT.
 WITH F.E.S.
 RETAIN

STA. 2765+70 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H=5'-5"
 24' X 100' R.C. PIPE OUTLET TO RT.
 WITH F.E.S. 8' X 34' CONCRETE
 DITCH PAVING (TYPE B) DOWN SLOPE.
 RETAIN

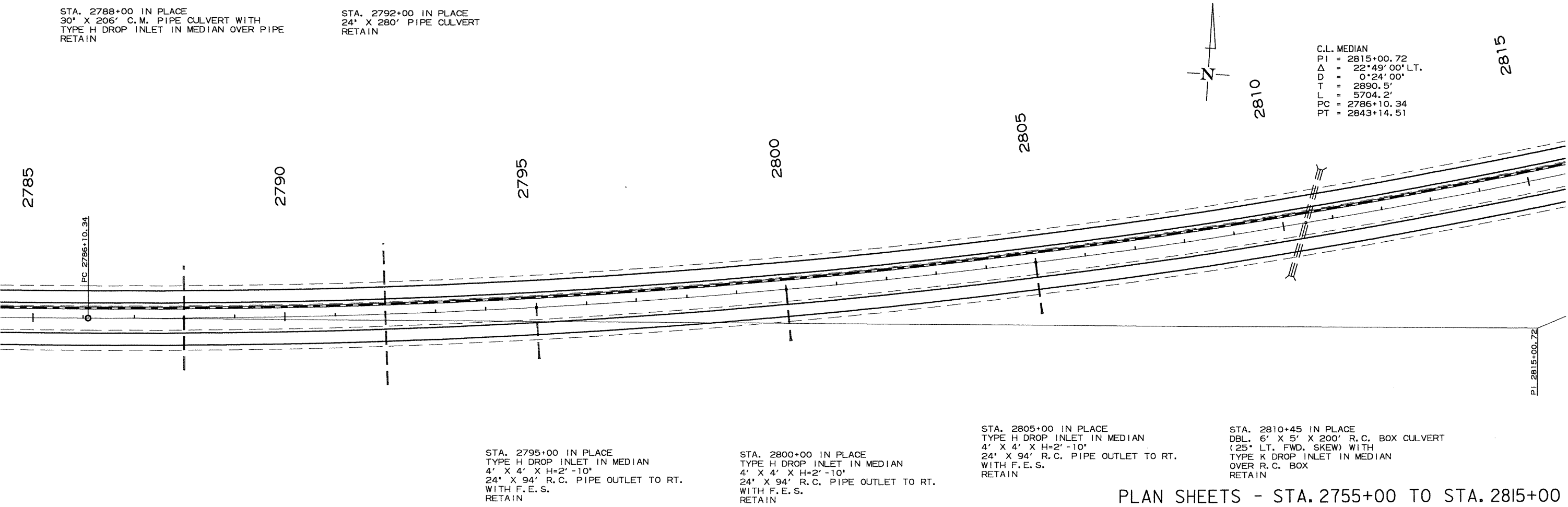
STA. 2769+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 3'-6" X H=5'-5"
 18' X 86' R.C. PIPE OUTLET TO RT.
 WITH F.E.S. 8' X 54' CONCRETE
 DITCH PAVING (TYPE B) DOWN SLOPE.
 RETAIN

STA. 2783+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-4"
 18' X 78' R.C. PIPE OUTLET TO RT.
 WITH F.E.S. 8' X 54' CONCRETE
 DITCH PAVING (TYPE B) DOWN SLOPE.
 RETAIN

STA. 2788+00 IN PLACE
 30' X 206' C.M. PIPE CULVERT WITH
 TYPE H DROP INLET IN MEDIAN OVER PIPE
 RETAIN

STA. 2792+00 IN PLACE
 24' X 280' PIPE CULVERT
 RETAIN

C.L. MEDIAN
 PI = 2815+00.72
 Δ = 22°49'00" LT.
 D = 0°24'00"
 T = 2890.5'
 L = 5704.2'
 PC = 2786+10.34
 PT = 2843+14.51



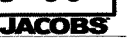
STA. 2795+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-10"
 24' X 94' R.C. PIPE OUTLET TO RT.
 WITH F.E.S.
 RETAIN

STA. 2800+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-10"
 24' X 94' R.C. PIPE OUTLET TO RT.
 WITH F.E.S.
 RETAIN

STA. 2805+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-10"
 24' X 94' R.C. PIPE OUTLET TO RT.
 WITH F.E.S.
 RETAIN

STA. 2810+45 IN PLACE
 DBL. 6' X 5' X 200' R.C. BOX CULVERT
 (25° LT. FWD. SKEW) WITH
 TYPE K DROP INLET IN MEDIAN
 OVER R.C. BOX
 RETAIN

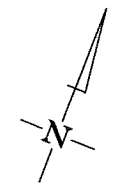
PLAN SHEETS - STA. 2755+00 TO STA. 2815+00



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177	95	104	

2 PLAN SHEETS - STA. 2815+00 TO STA. 2875+00

C.L. MEDIAN
 PI = 2815+00.72
 Δ = 22°49'00" LT.
 D = 0°24'00"
 T = 2890.5'
 L = 5704.2'
 PC = 2786+10.34
 PT = 2843+14.51



2815

2820

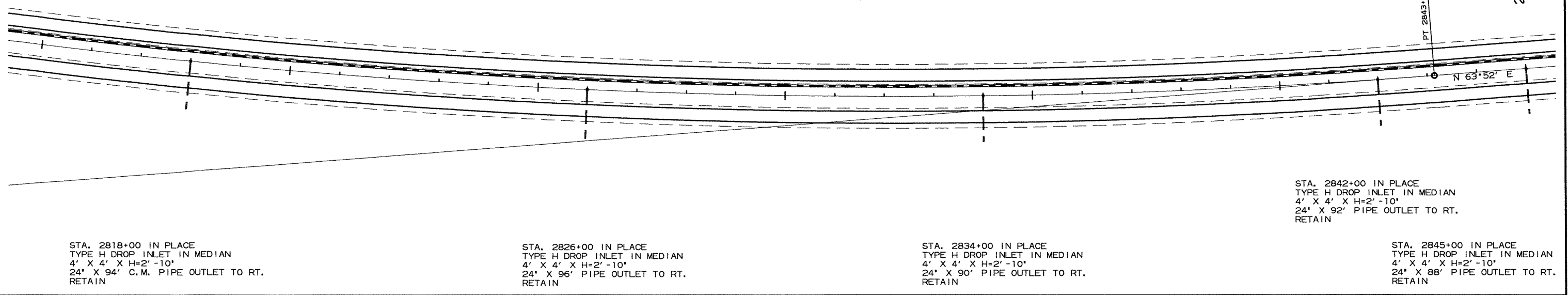
2825

2830

2835

2840

2845



STA. 2818+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-10"
 24' X 94' C.M. PIPE OUTLET TO RT.
 RETAIN

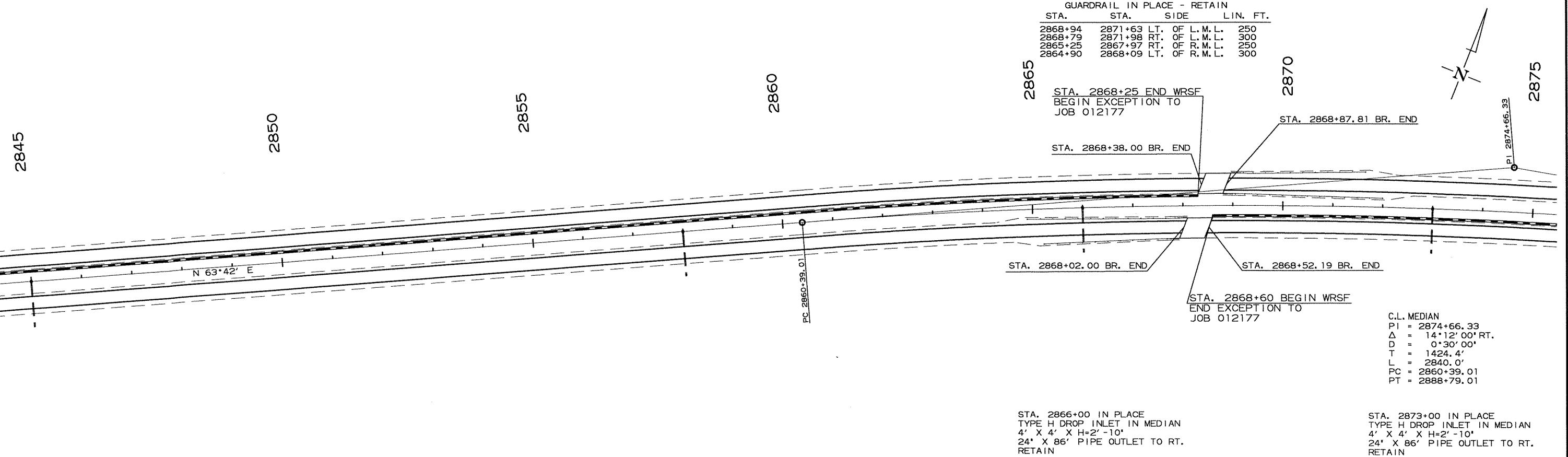
STA. 2826+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-10"
 24' X 96' PIPE OUTLET TO RT.
 RETAIN

STA. 2834+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-10"
 24' X 90' PIPE OUTLET TO RT.
 RETAIN

STA. 2842+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-10"
 24' X 92' PIPE OUTLET TO RT.
 RETAIN

STA. 2845+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-10"
 24' X 88' PIPE OUTLET TO RT.
 RETAIN

GUARDRAIL IN PLACE - RETAIN				
STA.	STA.	SIDE		LIN. FT.
2868+94	2871+63	LT.	OF L. M. L.	250
2868+79	2871+98	RT.	OF L. M. L.	300
2865+25	2867+97	RT.	OF R. M. L.	250
2864+90	2868+09	LT.	OF R. M. L.	300



STA. 2868+25 END WRSF
 BEGIN EXCEPTION TO
 JOB 012177

STA. 2868+38.00 BR. END

STA. 2868+87.81 BR. END

STA. 2868+02.00 BR. END

STA. 2868+52.19 BR. END

STA. 2868+60 BEGIN WRSF
 END EXCEPTION TO
 JOB 012177

C.L. MEDIAN
 PI = 2874+66.33
 Δ = 14°12'00" RT.
 D = 0°30'00"
 T = 1424.4'
 L = 2840.0'
 PC = 2860+39.01
 PT = 2888+79.01

STA. 2866+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-10"
 24' X 86' PIPE OUTLET TO RT.
 RETAIN

STA. 2873+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-10"
 24' X 86' PIPE OUTLET TO RT.
 RETAIN

STA. 2858+00 IN PLACE
 TYPE H DROP INLET IN MEDIAN
 4' X 4' X H=2'-10"
 24' X 86' PIPE OUTLET TO RT.
 RETAIN

PLAN SHEETS - STA. 2815+00 TO STA. 2875+00



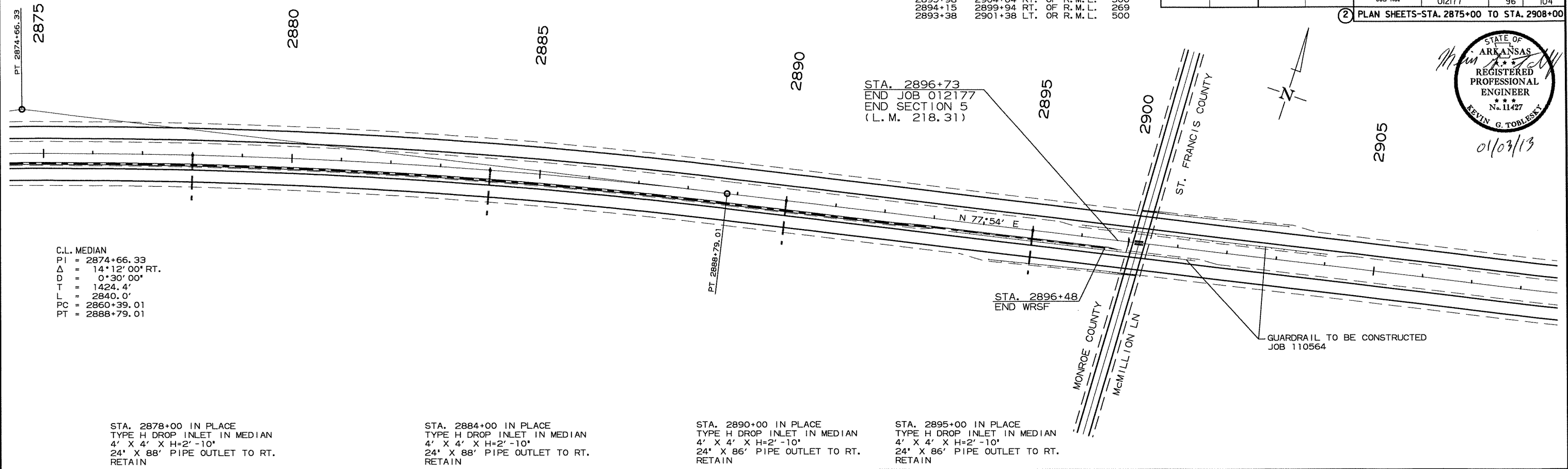
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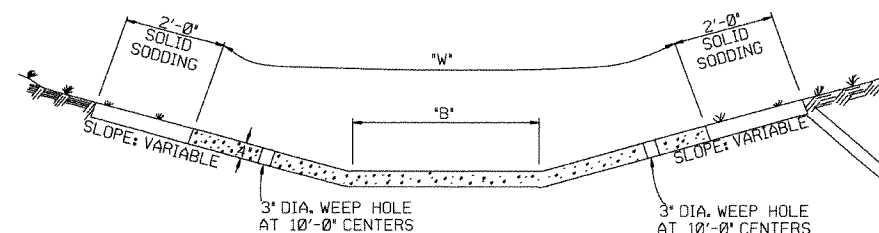
GUARDRAIL IN PLACE - RETAIN			
STA.	STA.	SIDE	LIN. FT.
2900+48	2907+17	LT. OF	L. M. L. 269
2895+98	2904+04	RT. OF	R. M. L. 500
2894+15	2899+94	RT. OF	R. M. L. 269
2893+38	2901+38	LT. OF	R. M. L. 500

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	012177		96	104

② PLAN SHEETS-STA. 2875+00 TO STA. 2908+00

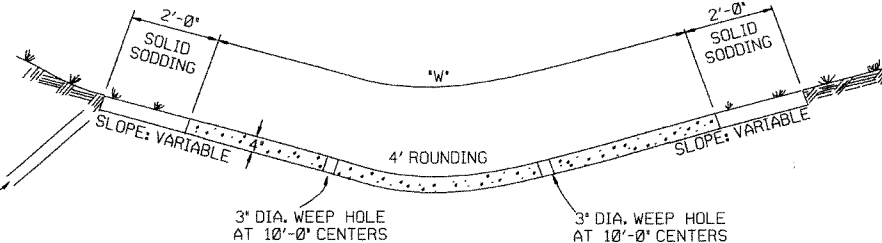


REFER TO TABULATION OF QUANTITIES FOR 'W' & 'B' DIMENSIONS



TYPE A

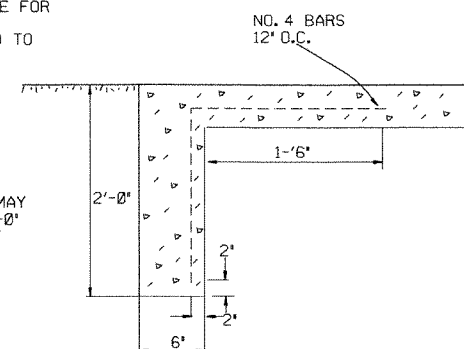
REFER TO TABULATION OF QUANTITIES FOR 'W' DIMENSIONS



TYPE B

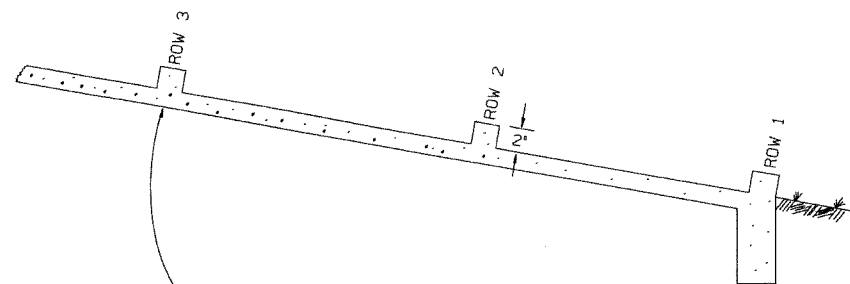
EXCAVATE TO NEAT LINES TO CONSTRUCT DITCH PAVING AND SOLID SODDING.

THE STEEL AND ADDITIONAL CONCRETE FOR THE WALLS SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID FOR 'CONCRETE DITCH PAVING.'



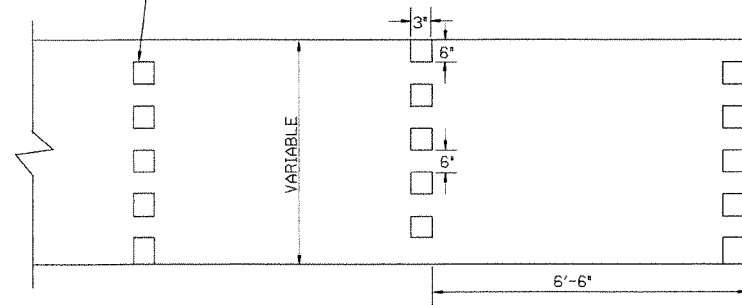
TOE WALL DEPTH MAY BE ALTERED TO 1'-0" WHEN DIRECTED BY THE ENGINEER IN ROCK EXCAVATION

TOE WALL DETAIL FOR CONCRETE DITCH PAVING



NUMBER OF ELEMENTS PER ROW VARIES WITH WIDTH OF PAVING SPECIFIED

ENERGY DISSIPATORS TO BE USED FOR THE ENTIRE LENGTH OF DITCH WHEN SLOPE OF DITCH PAVING EXCEEDS 7%. THE DISSIPATORS WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID FOR CONCRETE DITCH PAVING.



ENERGY DISSIPATORS
(NO SCALE)

GENERAL NOTES:

THE FULL WIDTH OF EACH SECTION SHALL BE POURED MONOLITHICALLY.
TOE WALLS TO BE CONSTRUCTED FULL WIDTH AT EACH END OF DITCH PAVING, AND POURED MONOLITHICALLY.

SOLID SOD ALONG DITCH PAVING TO BE PLACED WITHIN 14 DAYS OF DITCH PAVING CONSTRUCTION.

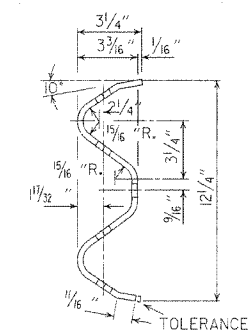
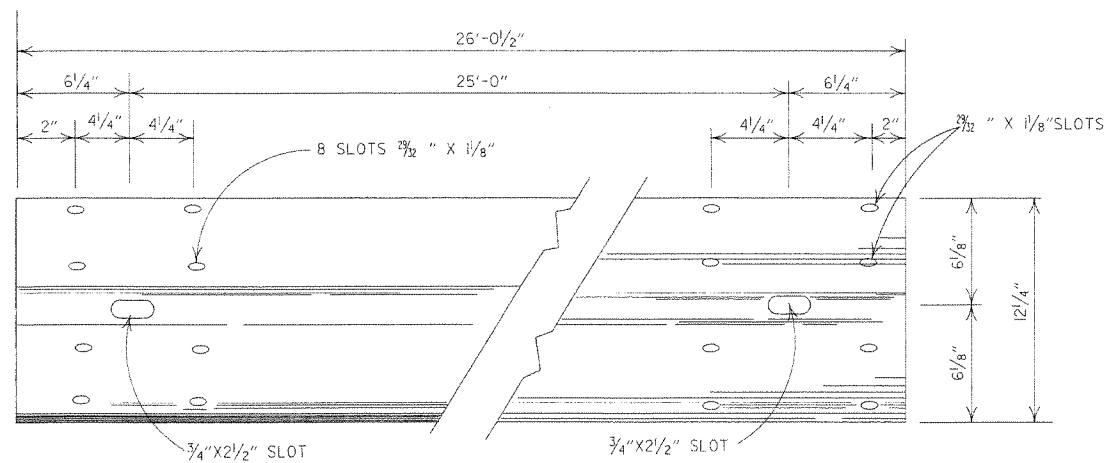
1" WIDE TRANSVERSE EXPANSION JOINTS SHALL BE PLACED IN CONCRETE DITCH PAVING AT 45' INTERVALS. THE SPACE SHALL BE FILLED WITH APPROVED JOINT FILLER COMPLYING WITH AASHTO M213.

11-17-10	ADDED GENERAL NOTE	
6-2-94	ADDED GENERAL NOTE ABOUT SOLID SODDING	
11-30-8	ELIMINATED MIN. ROWS OF ELEMENTS	111-30-89
7-15-88	REVISED DISSIPATOR NOTE	653-7-15-88
4-3-87	REVISED ENERGY DISSIPATOR	671-4-3-87
1-9-87	MODIFIED NOTE ON ENERGY DISS.	532-1-9-87
11-3-86	ADDED NOTE TO ENERGY DISS.	549-12-1-86
11-1-84	ENERGY DISSIPATOR DETAILS	508-11-1-84
11-1-84	ADDED	
11-1-84	EXCAVATION DETAILS ADDED	
	TYPED A & B	
10-2-72	REVISED AND REDRAWN	508-10-2-72
DATE	REVISION	DATE FILM'D

ARKANSAS STATE HIGHWAY COMMISSION

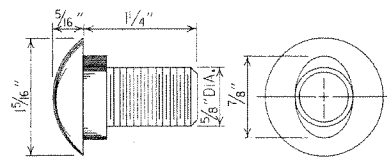
CONCRETE DITCH PAVING

STANDARD DRAWING CDP-1

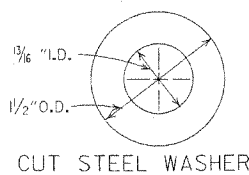


DETAILS OF W-BEAM GUARD RAIL

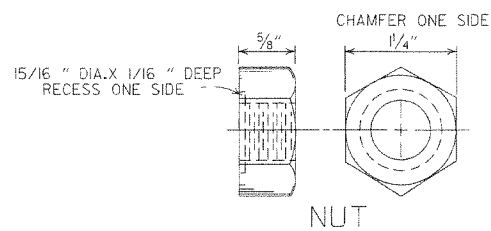
RAIL SECTION OF CLOSELY SIMILAR DIMENSIONS AND COMPARABLE STRENGTH MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER.



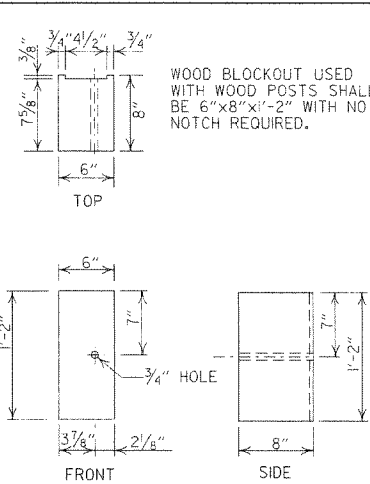
SPLICE BOLT
POST BOLT - SAME EXCEPT LENGTH



CUT STEEL WASHER

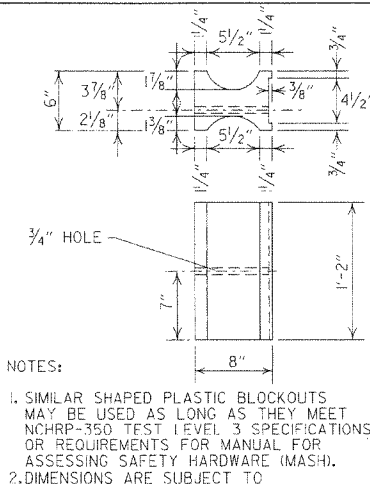


NUT



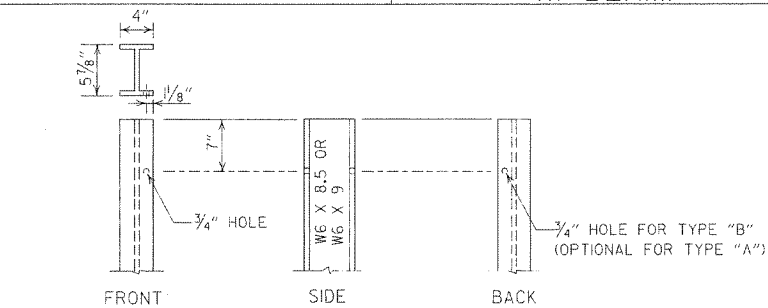
WOOD BLOCKOUT (W-BEAM)

WOOD BLOCKOUT USED WITH WOOD POSTS SHALL BE 6" X 8" X 1'-2" WITH NO NOTCH REQUIRED.

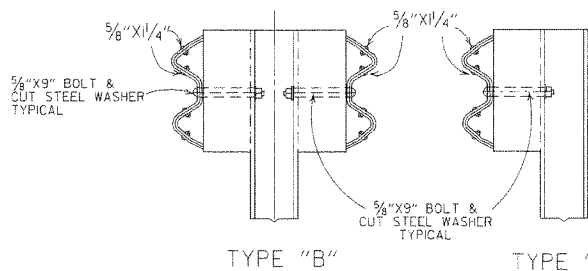


PLASTIC BLOCKOUT (W-BEAM)

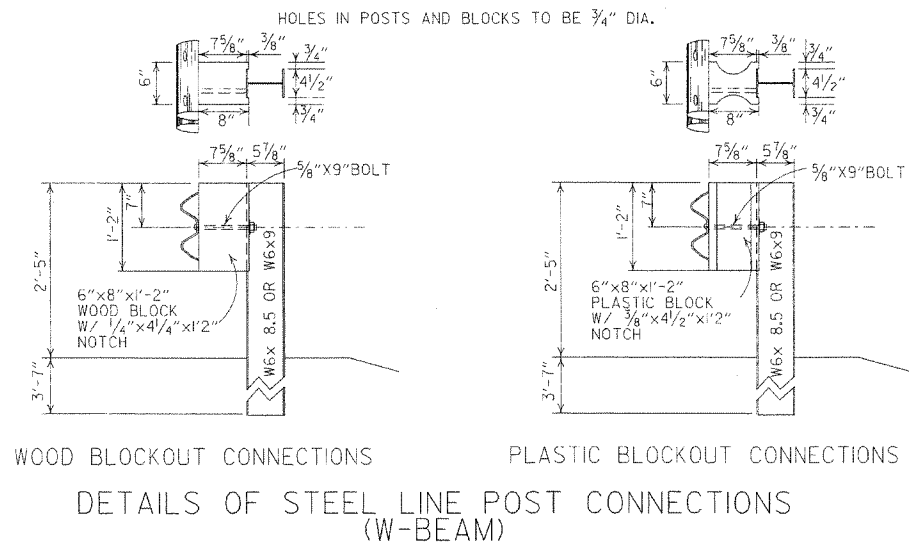
NOTES:
1. SIMILAR SHAPED PLASTIC BLOCKOUTS MAY BE USED AS LONG AS THEY MEET NCHRP-350 TEST LEVEL 3 SPECIFICATIONS OR REQUIREMENTS FOR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).
2. DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES.



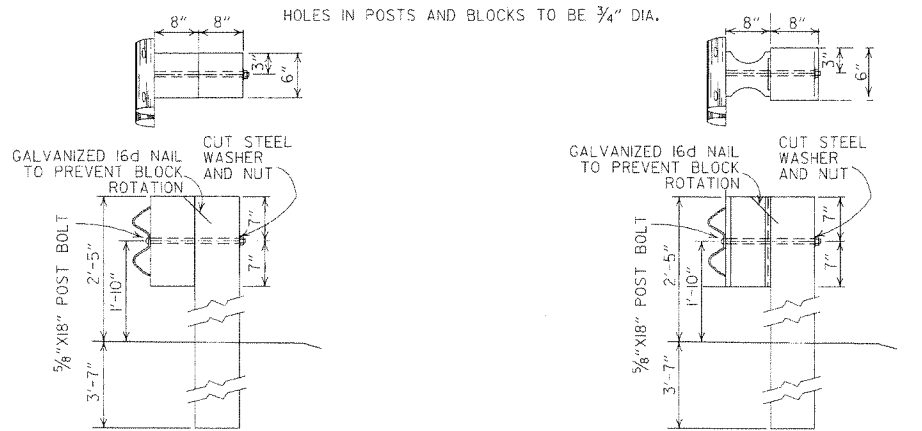
STEEL POST



DETAILS OF STEEL LINE POST CONNECTIONS (W-BEAM)



WOOD BLOCKOUT CONNECTIONS
PLASTIC BLOCKOUT CONNECTIONS
DETAILS OF STEEL LINE POST CONNECTIONS (W-BEAM)



WOOD BLOCKOUT CONNECTIONS
PLASTIC BLOCKOUT CONNECTIONS
DETAILS OF WOOD LINE POST CONNECTIONS (W-BEAM)

-GENERAL NOTES-

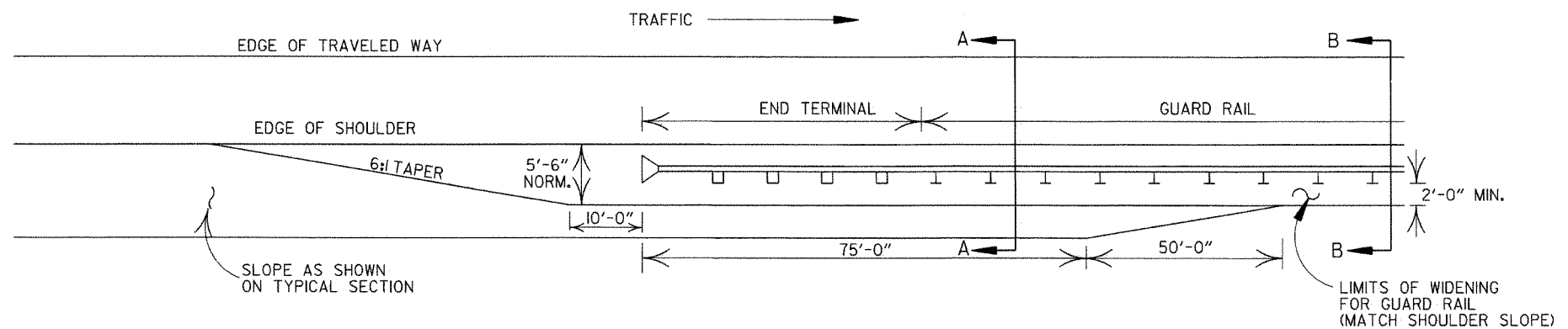
ALL BOLTS SHALL BE SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT AND NO MORE THAN 3/4" BEYOND IT.
WHERE W-BEAM GUARD RAIL CONTINUES, THE INTERMEDIATE SECTIONS SHALL HAVE A POST SPACING OF 6'-3" UNLESS OTHERWISE NOTED.
W-BEAM GUARD RAIL REPRESENTING INTERMEDIATE SECTIONS WILL BE MEASURED ALONG THE ROADWAY FACE FROM CENTERLINE OF POST TO CENTERLINE OF POST.
USE W-BEAM GUARD RAIL COMPONENTS OF SAME MATERIAL FOR ENTIRE JOB. FOR EXTENSIONS OR MODIFICATION OF EXISTING GUARD RAIL, W-BEAM GUARD RAIL COMPONENTS OF THE SAME TYPE AS THOSE EXISTING SHALL BE USED.
ANY BACKFILLING UNDER OR AROUND POST SHALL BE DAMP SAND THOROUGHLY TAMPED IN PLACE.
WOOD POSTS & WOOD BLOCKS SHALL BE EITHER DENSE NO. 1 STRUCTURAL OR BETTER 9.7f (4000 f) OR NO. 1 350 f SOUTHERN PINE.
CONTRACTOR SHALL HAVE THE OPTION OF USING WOOD BLOCKOUTS FOR W-BEAM GUARD RAIL OR PLASTIC BLOCKOUTS, AS LONG AS BLOCKOUT USED MEETS NCHRP-350 TEST LEVEL 3 SPECIFICATIONS OR REQUIREMENTS FOR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) FOR W-BEAM GUARD RAIL.

7-14-10	RAISED HEIGHT OF GUARD RAIL 1"	
10-15-09	ADDED REFERENCE TO MASH	
4-10-03	REVISED GENERAL NOTES	
8-22-02	REVISED DIMENSION ON WOOD & PLASTIC BLOCKOUT CONNECTIONS & ON STEEL POST	
11-16-01	REVISED WOOD BLOCKOUT & DETAILS OF WOOD LINE POST CONNECTIONS	
3-30-00	REMOVED GUARD RAIL AT BRIDGE ENDS	
1-12-00	ADDED PLASTIC BLOCKOUT	
8-12-98	REV. BLOCKOUTS TO WOOD, DELETED CONC. POST & REV. GENERAL NOTE, DELETED DET. OF GUARD RAIL REPLACE. BEHIND CURB & DET. OF POST PLACE IN SOLID ROCK & ADDED DETAILS OF STEEL LINE POST CONN. REMOVED BACK-UP PLATE, REVISED HOLES IN STEEL POLES	
4-3-97	REMOVED "LAP IN DIRECTION OF TRAFFIC" NOTE & PLACED ARROWS ON WASHERS	
10-18-96	REVISED WOOD POST NOTE	
6-2-94	ADDED ALT. STEEL POST SIZE	
8-5-93	REVISED STEEL POST SIZE	8-5-93
10-1-92	REDRAWN & REVISED	10-1-92
8-15-91	REVISED WASHER NOTE	8-5-91
8-2-90	REV. GEN. NOTE & DEPT OF ANC. POST IN ROCK	8-2-90
7-15-88	REVISED SECTION 3 & GENERAL NOTES	
3-4-88	REV. ANCHOR POST, ELEV. NOTES, POST IN ROCK	780-3-4-88
10-30-87	REVISED WOOD LINE POST DETAIL	546-10-30-87
10-9-87	REDRAWN & REVISED	802-10-9-87
DATE	REVISION	DATE FILM

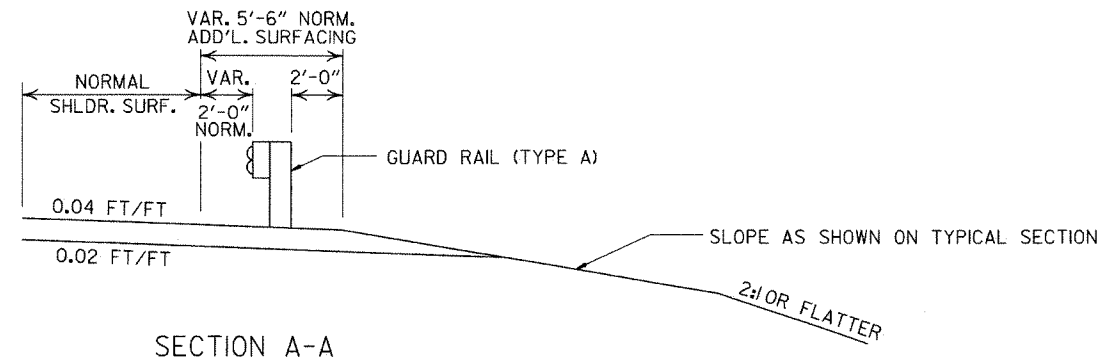
ARKANSAS STATE HIGHWAY COMMISSION

GUARD RAIL DETAILS

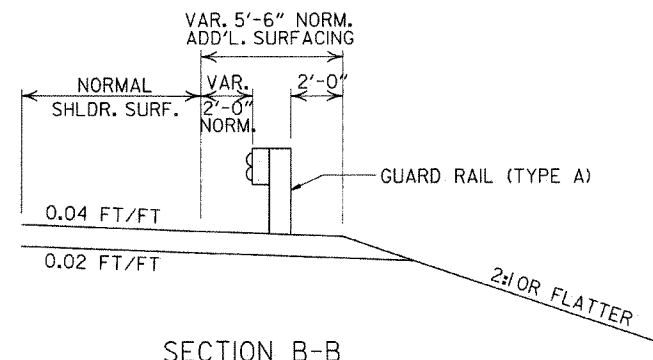
STANDARD DRAWING GR-8



NOTE: NORMAL SECTION TO BE WIDENED APPROX. 5'-6" EACH SIDE TO SUPPORT GUARD RAIL.

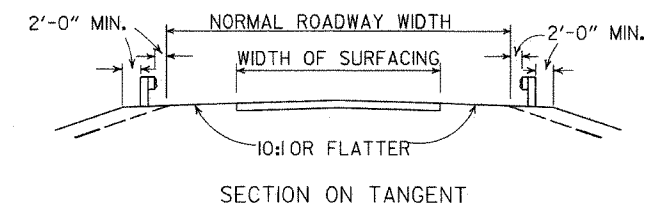


SECTION A-A

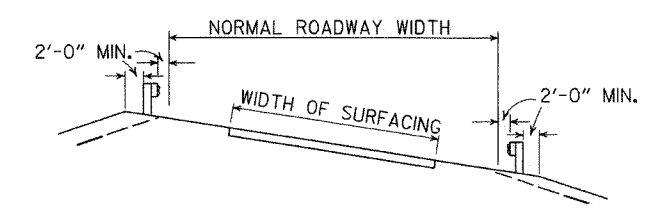


SECTION B-B

DETAILS OF WIDENING FOR GUARD RAIL

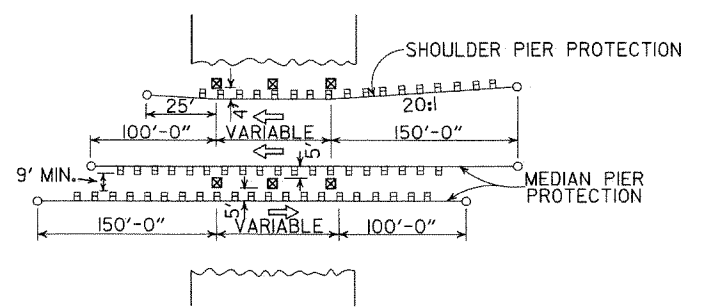


SECTION ON TANGENT



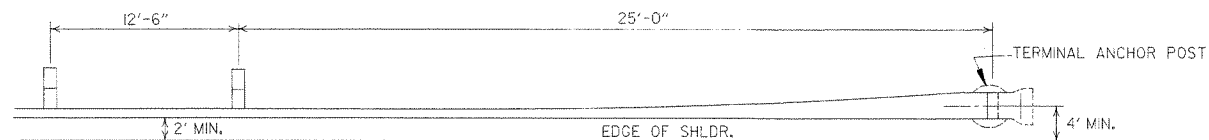
SECTION ON CURVE

DETAILS SHOWING POSITION OF GUARD RAIL ON HIGHWAY

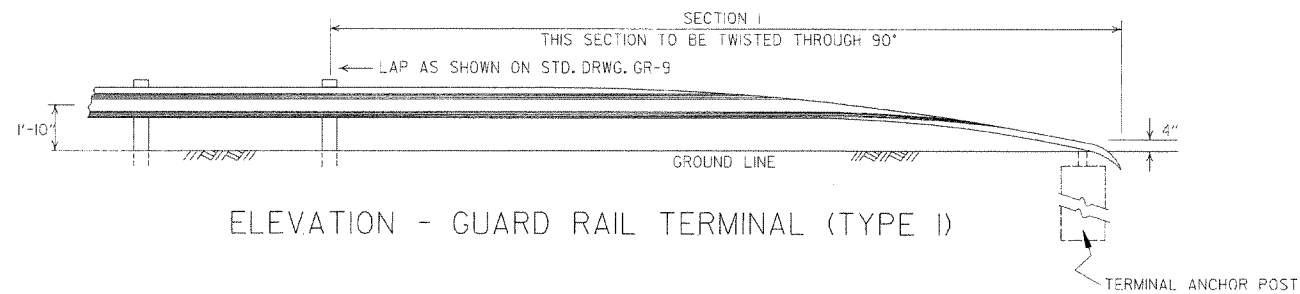


METHOD OF INSTALLATION OF GUARD RAIL AT FIXED OBSTACLE

ARKANSAS STATE HIGHWAY COMMISSION			
GUARD RAIL DETAILS			
STANDARD DRAWING GR-9A			
4-17-08	MINOR REVISION		
11-10-05	DRAWN		
DATE	REVISION	DATE	FILM

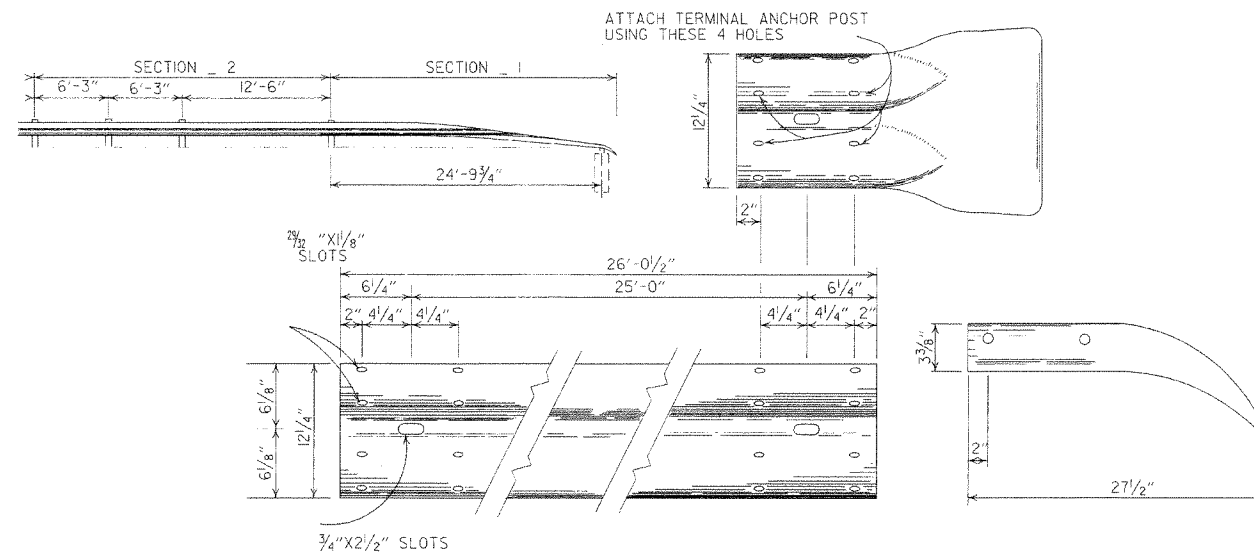


PLAN - GUARD RAIL TERMINAL (TYPE I)



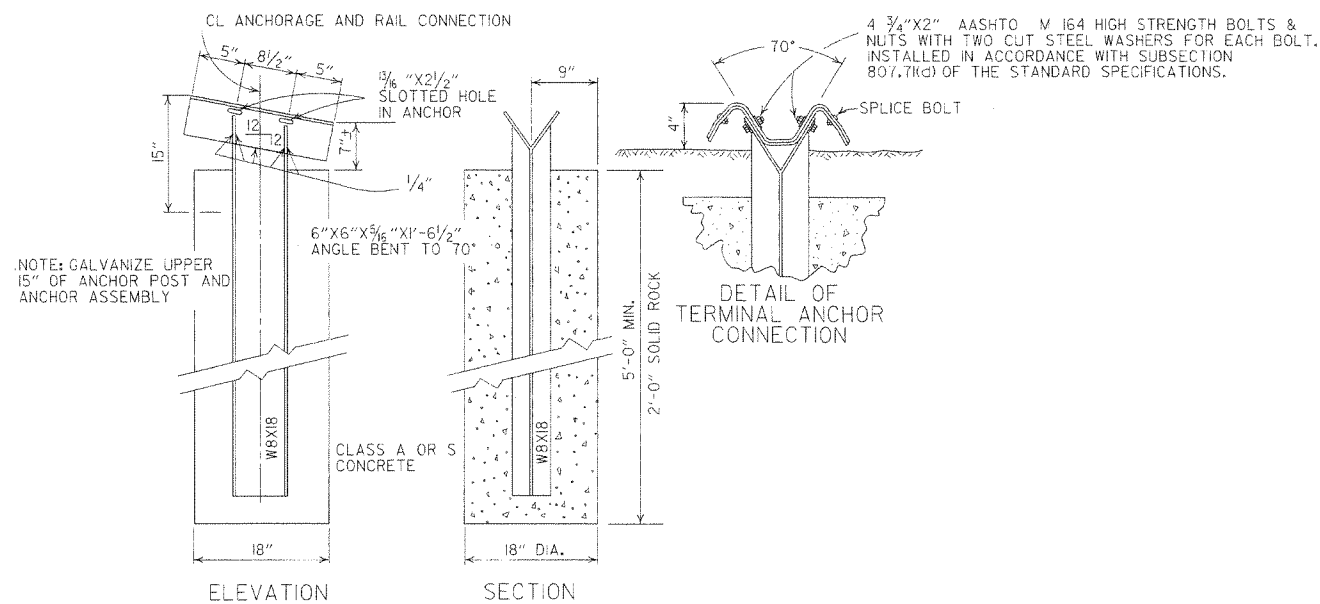
ELEVATION - GUARD RAIL TERMINAL (TYPE I)

NOTE:
SECTIONS 1 AND 2 OF GUARD RAIL TERMINAL
SHALL BE PAID FOR AT THE PRICE BID PER
LINEAR FOOT OF THE TYPE OF GUARD RAIL SPECIFIED.



SECTION 1


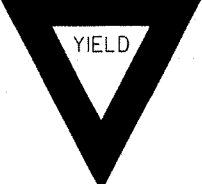







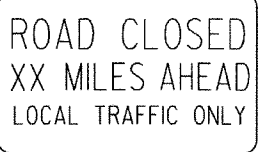
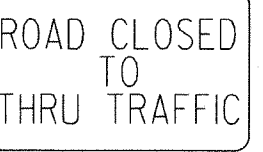

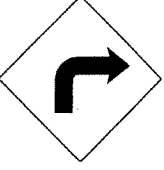



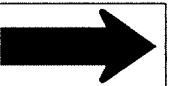
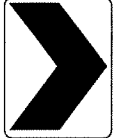
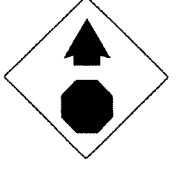
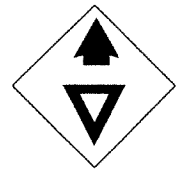
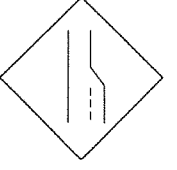

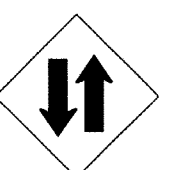

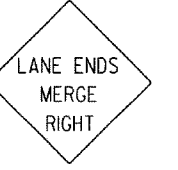


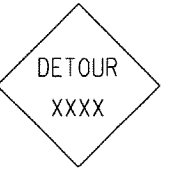


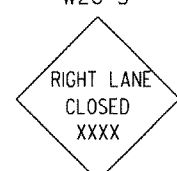


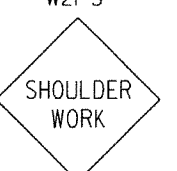
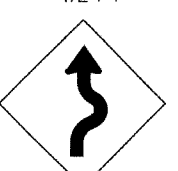
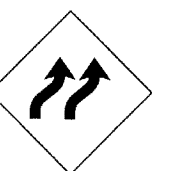


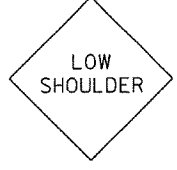
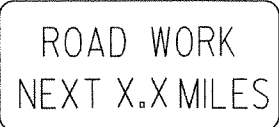
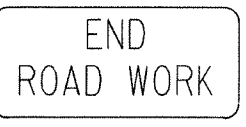
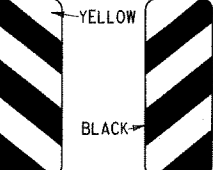


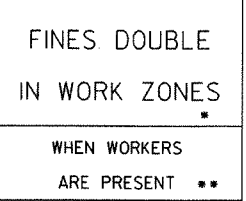
TERMINAL SECTION



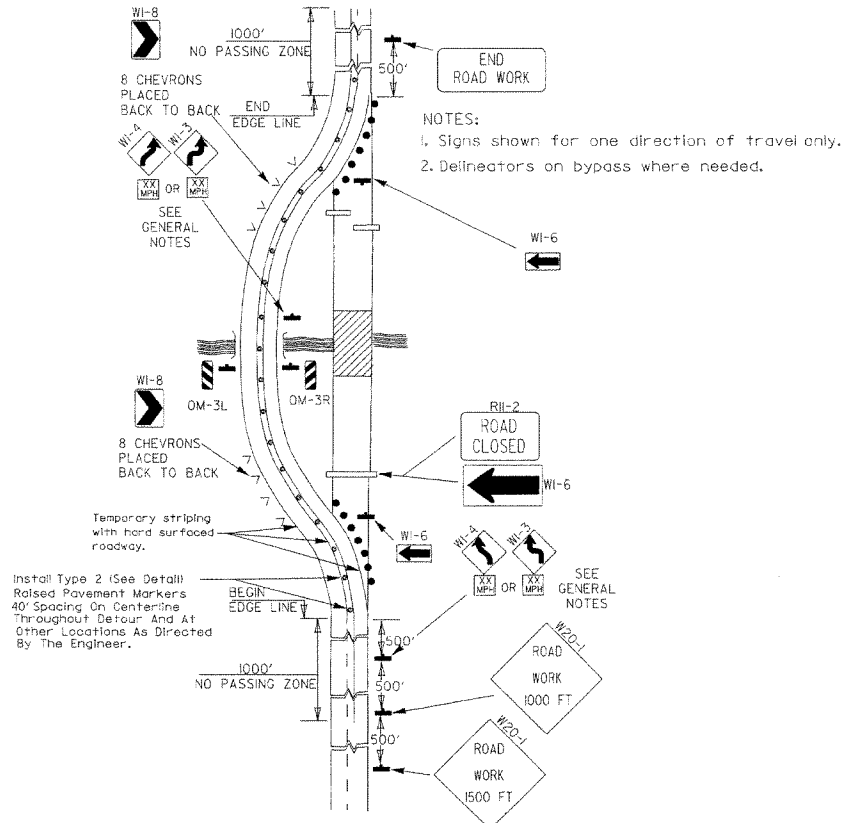
DETAIL OF TERMINAL ANCHOR POST (TYPE I)

NOTE: RAIL MEMBERS MAY BE BOLTED TO ANGLE AT TERMINAL ANCHOR AND THE TWO ASSEMBLIES POSITIONED TO PROPER ALIGNMENT PRIOR TO PLACING CONCRETE AROUND 8 W 17 POST IF CONTRACTOR SO DESIRES.

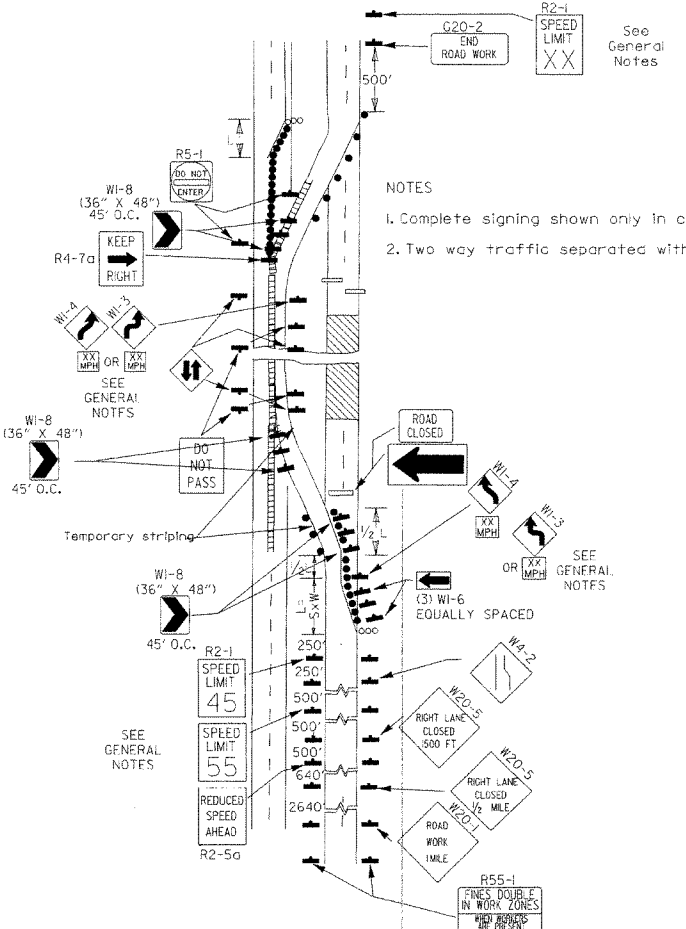
			ARKANSAS STATE HIGHWAY COMMISSION
			GUARD RAIL DETAILS
7-14-10	RAISED HEIGHT OF GUARD RAIL 1"		STANDARD DRAWING GRT-1
6-26-97	REVISED LAP NOTE		
10-18-96	REVISED ASTM REF. TO AASHTO		
11-3-94	DIMENSION TERMINAL DETAIL		
11-11-92	ADDED NOTE FOR PAYMENT	11-11-92	
10-1-92	DRAWN & ISSUED	10-1-92	
DATE	REVISION	DATE	FILM

							ADVANCE DISTANCES (XXXX)	101
<p>RI-1</p>  <p>STANDARD 30"x30" EXPRESSWAY 36"x36" SPECIAL 48"x48"</p>	<p>RI-2</p>  <p>STD. 36"x36"x36" EXPWY. 48"x48"x48" FWY. 60"x60"x60"</p>	<p>R2-1</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R2-5A</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R2-5C</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R4-1</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R4-2</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>500 FT 1/2 MILE 1000 FT 3/4 MILE 1500 FT 1 MILE AHEAD</p>	
<p>R5-1</p>  <p>STD. 30"x30" EXPWY. 36"x36" SPECIAL 48"x48"</p>	<p>R11-2</p>  <p>48"x30"</p>	<p>R11-3A</p>  <p>60"x30"</p>	<p>R11-4</p>  <p>60"x30"</p>	<p>RSP-1</p>  <p>48"x30"</p>	<p>W1-1</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>W1-2</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>GENERAL NOTES:</p> <ol style="list-style-type: none"> ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND TO THE STANDARD HIGHWAY SIGNS, LATEST EDITION, OR AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION. TRAFFIC CONTROL DEVICES SHALL BE SET UP JUST BEFORE THE START OF CONSTRUCTION OPERATIONS AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS NEEDED AND REMOVED THEREAFTER. EXISTING SIGNS AND CONSTRUCTION SIGNS SHALL BE KEPT IN PROPER POSITION, AND BE CLEAN AND LEGIBLE AT ALL TIMES. SIGNS THAT DO NOT APPLY TO EXISTING CONDITIONS SHALL BE REMOVED. SIGNS THAT ARE DAMAGED, DEFACED, OR THAT ACCUMULATE DIRT DURING CONSTRUCTION SHALL BE CLEANED, REPAIRED, OR REPLACED. SIGNS ARE USUALLY MOUNTED ON A SINGLE POST, ALTHOUGH THOSE WIDER THAN 36" OR LARGER THAN 10 SQ. FT. SHALL BE MOUNTED ON TWO POSTS OR ABOVE A TYPE III BARRICADE. SIGN POSTS DIRECT BURIED IN SOIL SHALL BE 2 LB. MINIMUM CHANNEL POST OR 4"x4" WOOD POSTS. CHANNEL POSTS SHALL BE PAINTED GREEN. WOOD POSTS SHALL BE PAINTED WHITE. ALL POSTS SHALL BE NEATLY CONSTRUCTED, AND SHALL BE REPLUMBED, CLEANED, OR REPAIRED AS NEEDED FOR THE DURATION OF THE JOB. THERE SHALL NOT BE MORE THAN 2 POSTS IN A 7' PATH FOR WOOD OR CHANNEL POSTS. ANY CHANNEL POST SPLICE SHALL BE IN ACCORDANCE WITH STANDARD DRAWING TC-3. POST MOUNTED SIGNS IN RURAL AREAS SHALL BE CONSTRUCTED WITH THE NEAR EDGE OF THE SIGN FROM 6 TO 12 FEET FROM THE PAVEMENT EDGE. SIGNS IN URBAN AREAS AND BARRICADE MOUNTED SIGNS SHALL BE MOUNTED A MINIMUM OF 2 FEET FROM THE PAVEMENT EDGE. ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN URBAN AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE. ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN RURAL AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE, EXCEPT A MINIMUM OF 6' SHALL BE USED WHEN MOUNTING AN ADVISORY SIGN BELOW A WARNING SIGN. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR INTERMEDIATE TERM STATIONARY WORK CONDITIONS. THE SIGNS MINIMUM MOUNTING HEIGHT SHALL BE 5'. RETROREFLECTIVE DEVICES SHALL BE USED. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR SHORT-TERM, SHORT DURATION, AND MOBILE CONDITIONS. THEY SHALL BE NO LESS THAN ONE (1) FOOT ABOVE THE TRAVELED WAY. LONG-TERM STATIONARY SIGNS SHALL BE DIRECT BURIED IN SOIL, UNLESS CONDITIONS NECESSITATE THE USE OF PORTABLE SIGNS, OR AS APPROVED BY THE ENGINEER. CONCRETE PADS, CONCRETE OR ROCK BALLAST, OR OTHER SOLID MATERIALS SHALL NOT BE UTILIZED WITH PORTABLE SIGN SUPPORTS. FLAGGERS SHALL USE REFLECTORIZED STOP-SLOW PADDLES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS. MOST OF THE SIGNS SHOWN ARE ORIENTED TO THE RIGHT. HOWEVER, THIS DOES NOT PRECLUDE THE USE OF MIRROR IMAGES OF THESE SIGNS WHERE THE REVERSE ORIENTATION MIGHT BETTER CONVEY TO MOTORISTS THE PROPER DIRECTION OF MOVEMENT. R55-1 SIGNS SHALL BE PLACED AT LEAST 1500' BUT NOT MORE THAN 1 MILE IN ADVANCE OF THE WORK ZONE. IF A SPEED LIMIT REDUCTION IS IN EFFECT, THE SIGN SHALL BE PLACED A MINIMUM OF 500' IN ADVANCE OF THE "REDUCED SPEED AHEAD" SIGN. <p>NOTE: SUPPORTS FOR SIGNS, BARRICADES, AND VERTICAL PANELS THAT ARE DIFFERENT FROM THE REQUIREMENTS SHOWN IN NOTES 4 & 5, BUT MEET THE REQUIREMENTS OF NCHRP-350 OR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH), WILL BE ACCEPTED. COMPLIANCE WITH THE REQUIREMENTS OF NCHRP-350 OR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) IS REQUIRED FOR ALL PROJECTS.</p>	
<p>W1-3</p>  <p>STD. 48"x48"</p>	<p>W1-4</p>  <p>STD. 48"x48"</p>	<p>W1-6</p>  <p>STD. 48"x24" SPECIAL 60"x30"</p>	<p>W1-8</p>  <p>STD. 18"x24" SPECIAL 24"x30" EXPWY. 30"x36" FWY. 36"x48"</p>	<p>W3-1</p>  <p>STD. 36"x36" SPECIAL 48"x48"</p>	<p>W3-2</p>  <p>STD. 36"x36" SPECIAL 48"x48"</p>	<p>W4-2</p>  <p>STD. 36"x36" FWY. 48"x48"</p>		
<p>W5-1</p>  <p>STD. 36"x36" SPECIAL 48"x48"</p>	<p>W6-3</p>  <p>EXPWY. 36"x36" SPECIAL 48"x48"</p>	<p>W8-7</p>  <p>EXPWY. 36"x36" FWY. 48"x48"</p>	<p>W9-2</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>W13-1</p>  <p>STD. 24"x24"</p>	<p>W20-1</p>  <p>STD. 48"x48"</p>	<p>W20-2</p>  <p>STD. 48"x48"</p>		<p>W20-3</p>  <p>STD. 48"x48"</p>
<p>W20-4</p>  <p>STD. 48"x48"</p>	<p>W20-5</p>  <p>STD. 48"x48"</p>	<p>W20-7a</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>W21-2</p>  <p>STD. 30"x30" SPECIAL 36"x36"</p>	<p>W21-5</p>  <p>STD. 30"x30" SPECIAL 36"x36"</p>	<p>W24-1</p>  <p>STD. 36"x36"</p>	<p>W1-4b</p>  <p>STD. 48"x48"</p>		<p>R56-1</p>  <p>STD. 18"x18"</p>
<p>W8-11</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>W8-9</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>G20-1</p>  <p>60"x24"</p>	<p>G20-2</p>  <p>48"x24"</p>	<p>OM-3L OM-3R</p>  <p>12"x36"</p>	<p>M4-9</p>  <p>STD. 30"x24" SPECIAL 48"x36" SPECIAL 60"x48"</p>	<p>M4-10</p>  <p>48"x18"</p>		<p>R55-1</p>  <p>36"x60"</p> <p>• USE 6" C LETTERS •• USE 4" D LETTERS</p>

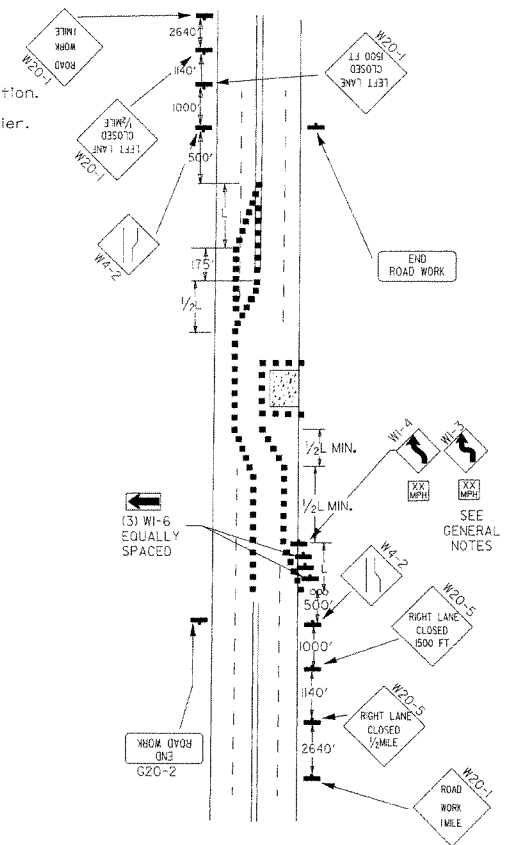
DATE	REVISION	FILMED
12-15-8	REVISED W24-1	
11-17-10	DELETED W8-9a & ADDED W8-9	
10-15-09	ADDED REFERENCE TO MASH & ADDED SIGN W24-1	
4-17-08	REVISED SIGN DESIGNATIONS	
11-18-04	REVISED NOTES	
10-9-03	REVISED NOTE 1	
11-16-01	REVISED NOTE 7	
9-28-00	REVISED NOTE	
11-18-98	ADDED NOTE	
6-26-97	REVISED NOTE 5	
4-03-97	REVISED NOTE 5	
10-18-96	ADDED CONTROLLED ACCESS HWY. SIGN & TO NOTE 7	
10-12-95	ADDED R55-1	
6-8-95	REVISED TO CORRECT SIGN ILLUSTRATIONS	6-8-95
2-2-95	REVISED PER PART VI, MUTCD SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	



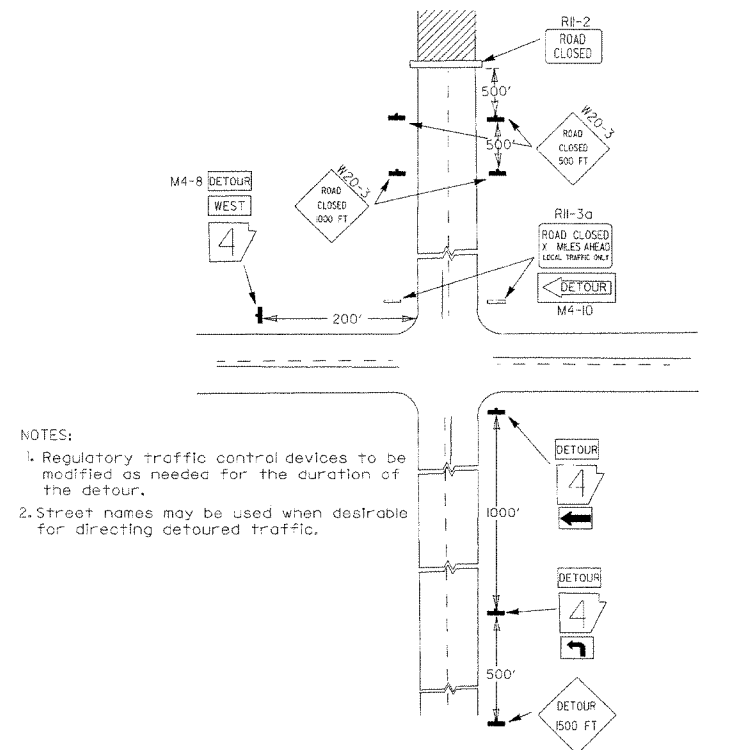
(A) Typical application of traffic control devices on a 2-lane highway where the entire roadway is closed and a bypass detour is provided.



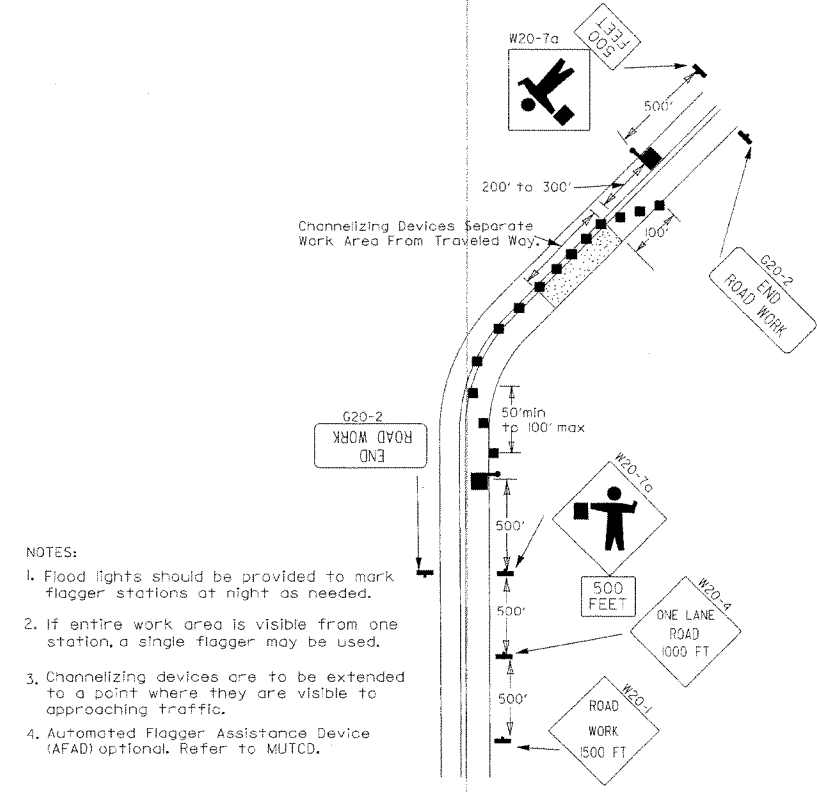
(B) Typical application - 4-lane divided roadway where one roadway is closed.



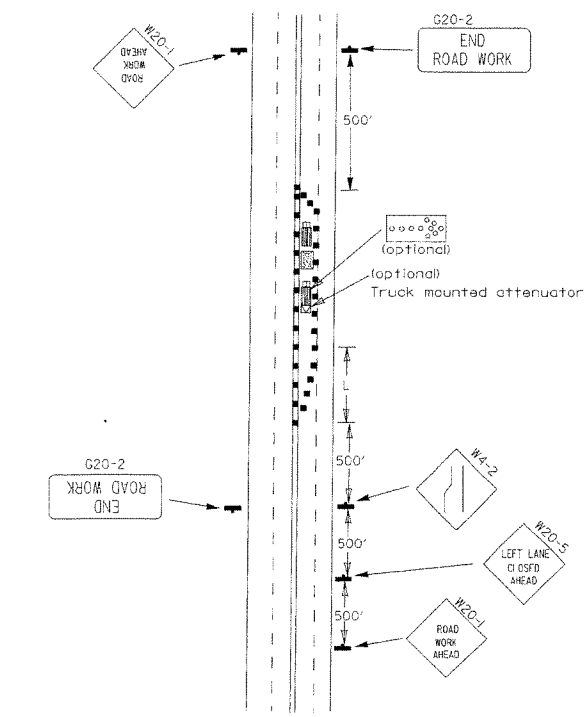
(C) Typical application - 4-lane undivided roadway where half of the roadway is closed.



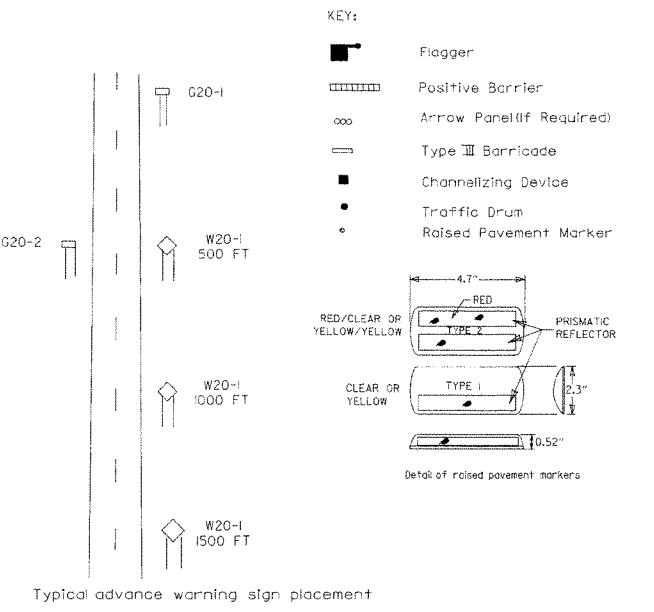
(D) Typical application - roadway closed beyond detour point.



(E) Typical application of traffic control devices on 2-lane highway where one lane is closed and flagging is provided.



(F) Typical application - 4-lane undivided roadway with inside lane closed.

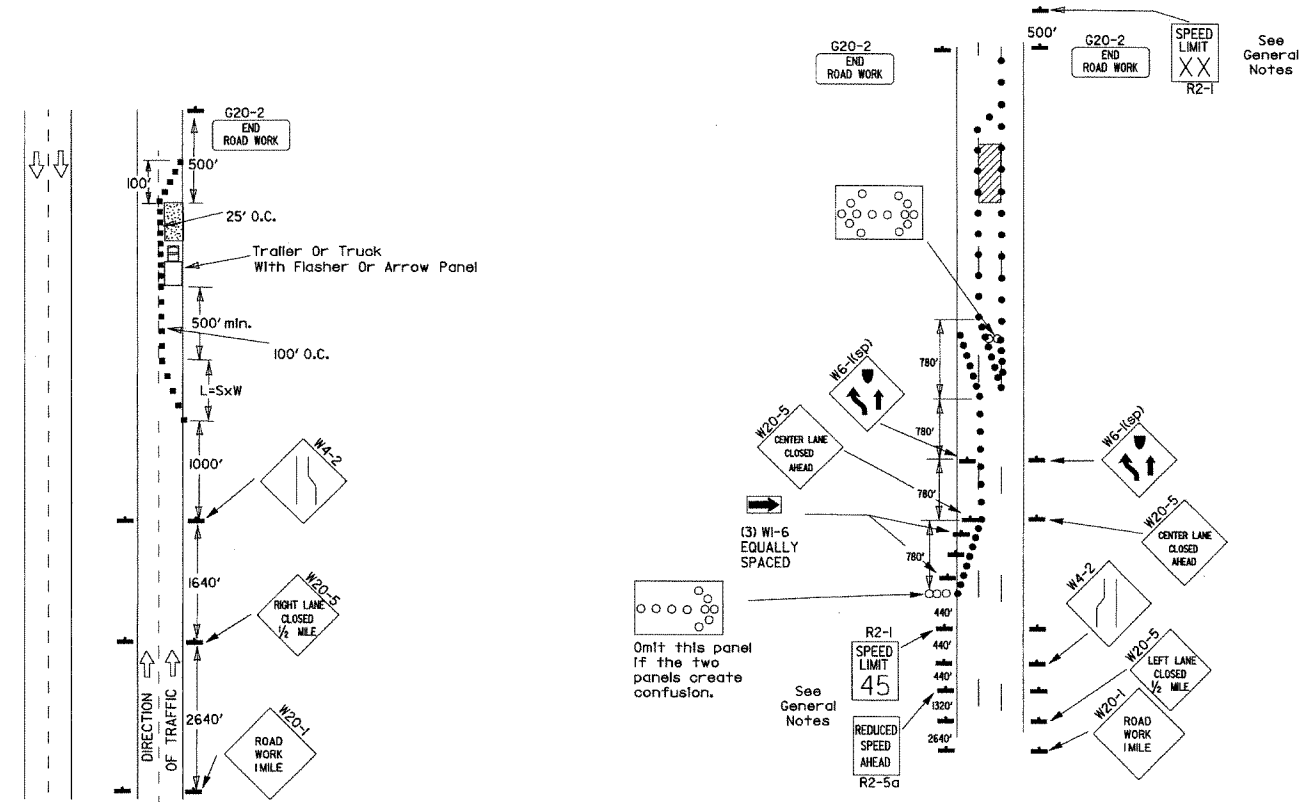


Taper formulae:
 $L = S \times W$ for speeds of 45mph or more.
 $L = \frac{WS^2}{60}$ for speeds of 40mph or less.
 Where:
 L = Minimum length of taper.
 S = Numerical value of posted speed limit prior to work or 85th percentile speed.
 W = Width of offset.

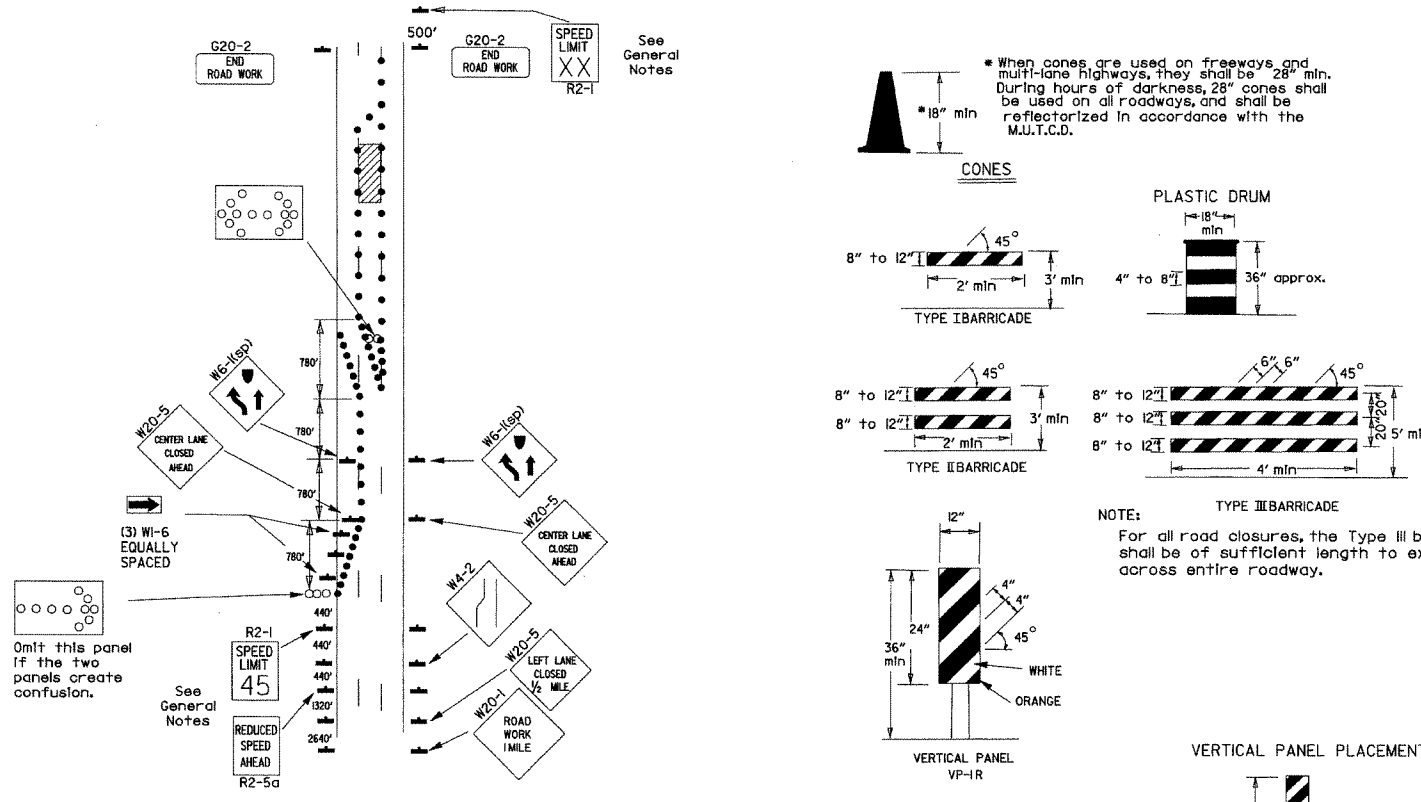
- GENERAL NOTES:
 1. Advisory speed posted on W1-3 or W1-4 curve warning signs to be determined at site. Use W1-4 when speed is greater than 30mph and W1-3 when 30mph or less.
 2. When the existing speed limit is 55mph and the plans require a speed limit of 45mph, the R2-1(55) shall be omitted and the R2-1(45) shall be installed at that location. Additional R2-1(45mph) speed limit signs shall be installed at a maximum of 1/2 mile intervals. At the end of the work area a R2-1(55) shall be installed to match original speed limit.
 3. When the existing speed limit is 65mph and the plans require a speed limit of 55mph, the R2-1(65) shall be omitted. Additional R2-1(55mph) speed limit signs shall be installed at a maximum of 1/2 mile intervals. At the end of the work area a R2-1(65) shall be installed to match original speed limit.
 4. The maximum spacing between channelizing devices in a taper should be approximately equal in feet to the speed limit. Beyond the taper, maximum spacing shall be two times the speed limit, or as directed by the Engineer.
 5. Warning lights and/or flags may be mounted to signs or channelizing devices at night as needed.
 6. Pavement markings no longer applicable which might create confusion in the minds of vehicle operators shall be removed or obliterated as soon as practicable.
 7. Trailer mounted devices such as arrow panels and portable changeable message signs shall be delineated by affixing conspicuity material in a continuous line on the face of the trailer. When placed on or adjacent to the shoulder and not behind a positive barrier, these devices shall be delineated by placing five (5) traffic drums, equally spaced along the traffic side of the device.

DATE	REVISION	FILMED
3-11-10	ADDED (AFAD)	
11-20-08	REVISED SIGN DESIGNATIONS	
11-18-04	ADDED GENERAL NOTE	
10-18-96	ADDED R55-1	
4-26-96	CORRECTED (a) BEHIND G20-2	
6-8-95	CORRECTED SIGN IDENT. ON W1-4A	6-8-95
2-2-95	REVISED PER PART VI, MUTCD, SEPT. 3, 1993	
8-5-91	DRAWN AND PLACED IN USE	

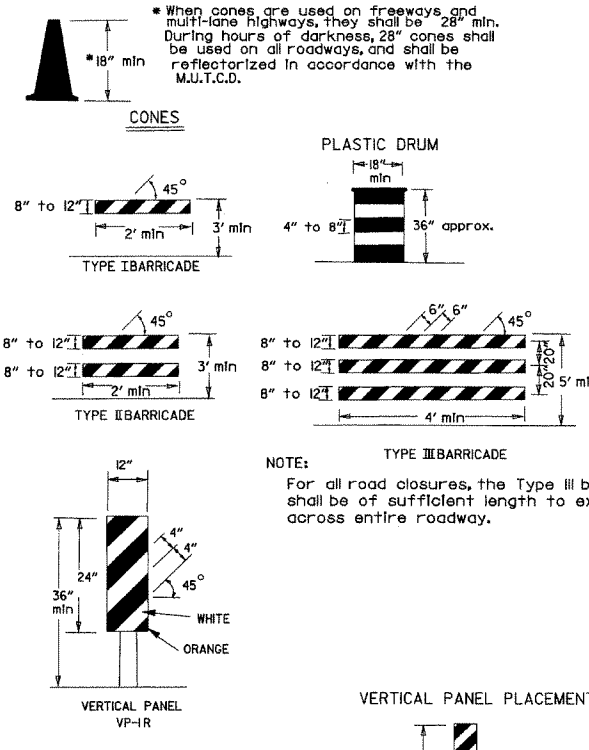
Channelizing devices



(A) Typical application - daytime maintenance operations of short duration on a 4-lane divided roadway where half of the roadway is closed.



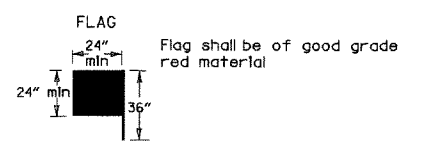
(B) Typical application - 3-lane oneway roadway where center lane is closed.



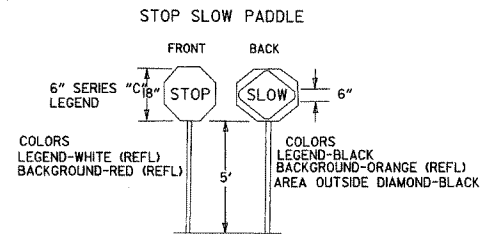
TRAFFIC CONTROL DEVICES FOR VERTICAL PAVEMENT DIFFERENTIALS

VERTICAL DIFFERENTIAL	LOCATIONS	TRAFFIC CONTROL
1" to 3"	Centerline, lane lines	W8-11
1" to 3"	Edge of shoulder	W8-9
Greater than 3"	Lane lines	Standard lane closure required
Greater than 3"	Edge of traveled lane	*RSP-land vertical panels, drums or concrete barrier
Greater than 3"	Edge of shoulder	*Vertical panels, drums or concrete barrier

* When shown on the plans concrete barrier will be used. When the shoulder area is used as part of the traveled lane and there is insufficient width to place drums on the remaining shoulder width, then vertical panels shall be used.



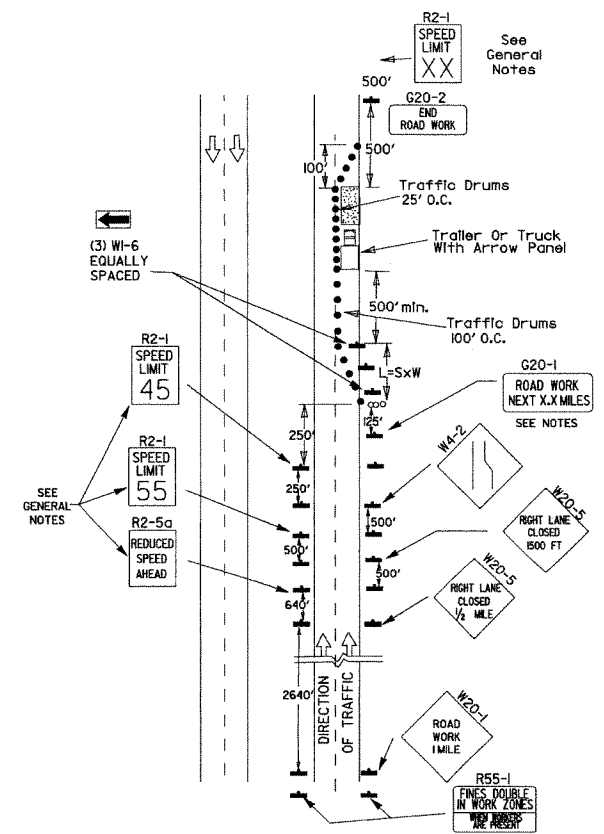
Flag shall be of good grade red material



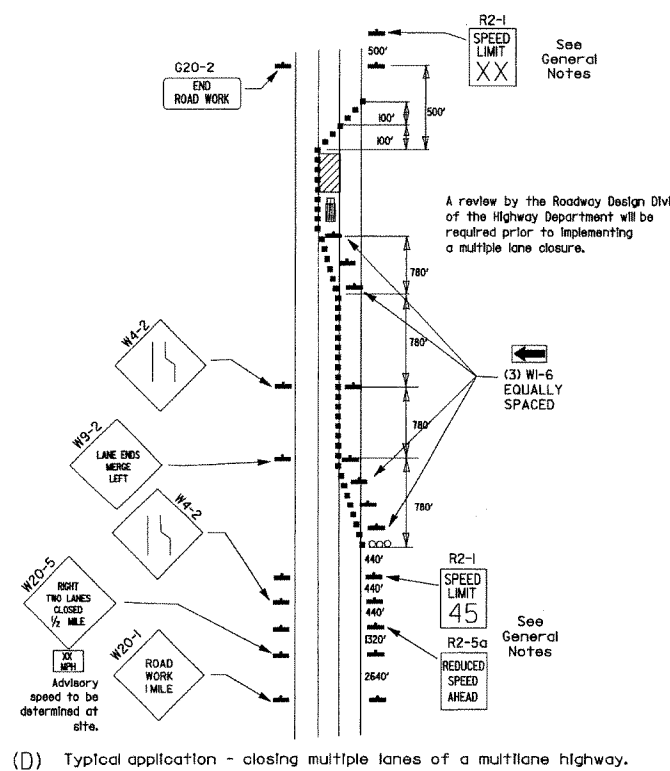
- KEY:
- Arrow Panel (if Required)
 - Channelizing Device
 - Traffic drum

GENERAL NOTES:

- A speed limit reduction may be implemented ONLY when designated in the plan or when recommended by the Roadway Design Division.
- When the existing speed limit is 55mph and the plans require a speed limit of 45mph, the R2-1(55) shall be omitted and the R2-5a shall be installed at that location. Additional R2-1(45) speed limit signs shall be installed at a maximum of 1/2 mile intervals. At the end of the work area a R2-1(XX) shall be installed to match original speed limit.
- When the existing speed limit is 65mph and the plans require a speed limit of 55mph, the R2-1(65) shall be omitted. Additional R2-1(55) speed limit signs shall be installed at a maximum of 1/2 mile intervals. At the end of the work area a R2-1(XX) shall be installed to match original speed limit.
- The maximum spacing between channelizing devices in a taper should be approximately equal in feet to the speed limit. Beyond the taper, maximum spacing shall be two times the speed limit or as directed by the Engineer.
- Warning lights and/or flags may be mounted to signs or channelizing devices at night as needed.
- Pavement markings no longer applicable which might create confusion in the minds of vehicle operators shall be removed or obliterated as soon as practicable.
- The G20-1 sign will be required on jobs of over two miles in length. When the lane closure is not at the beginning of the project, the G20-1 sign shall be erected 1/2 mile in advance of the job limit. Additional W20-1(1/2 MILE) signs are not required in advance of lane closures that begin inside the project limits.
- Flaggers shall use STOP/SLOW paddles for controlling traffic through work zones. Flags may be used only for emergency situations.
- All plastic drums and cones shall meet the requirements of NCHRP-350 or Manual for Assessing Safety Hardware (MASH).
- Trailer mounted devices such as arrow panels and portable changeable message signs shall be delineated by affixing conspicuity material in a continuous line on the face of the trailer. When placed on or adjacent to the shoulder and not behind a positive barrier, these devices shall be delineated by placing five (5) traffic drums, equally spaced along the traffic side of the device.

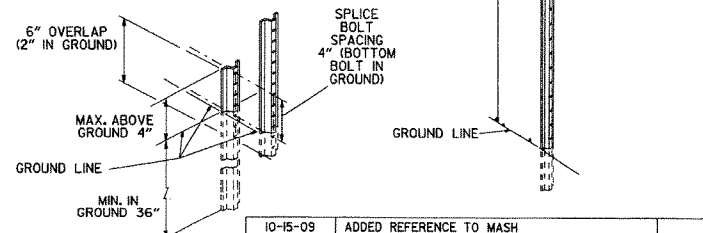


(C) Typical application - construction operations of intermediate to long term duration on a 4-lane divided roadway where half of the roadway is closed.



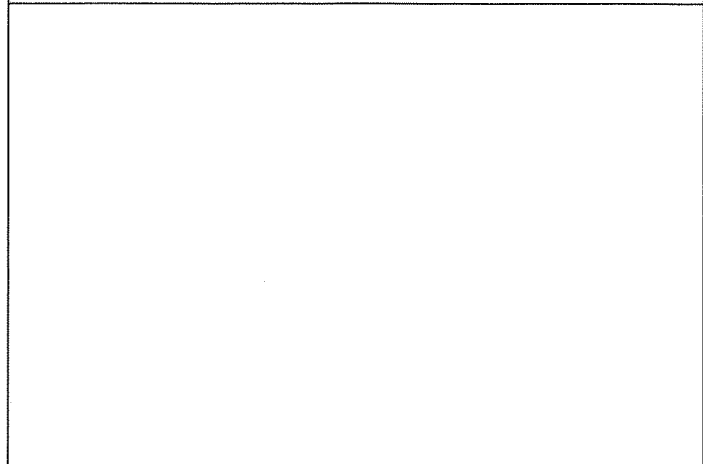
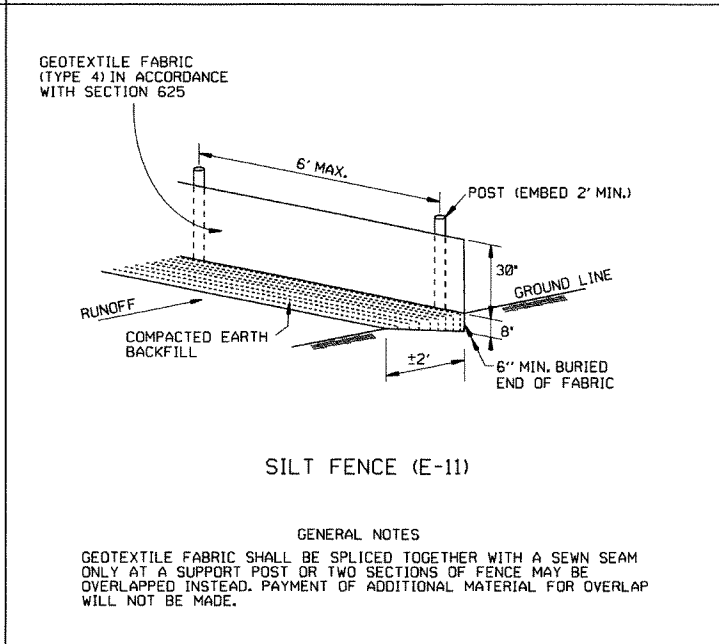
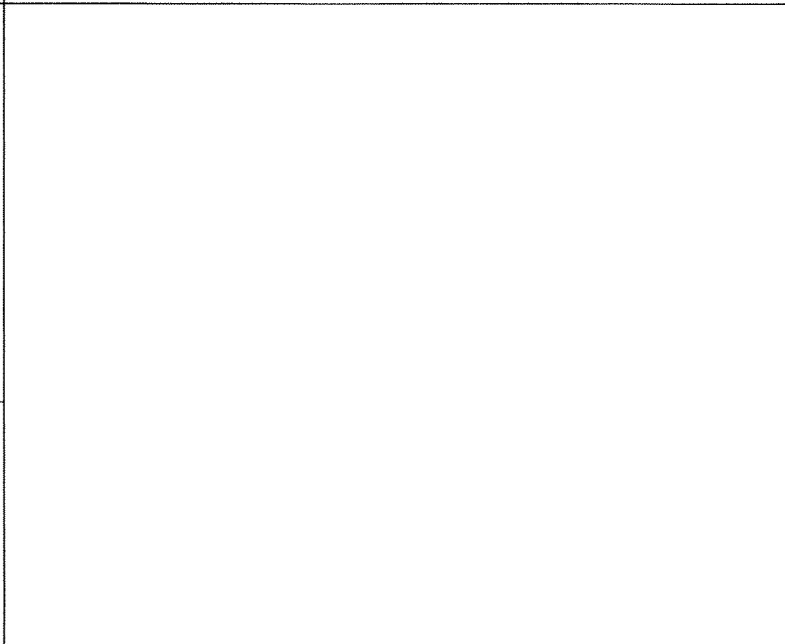
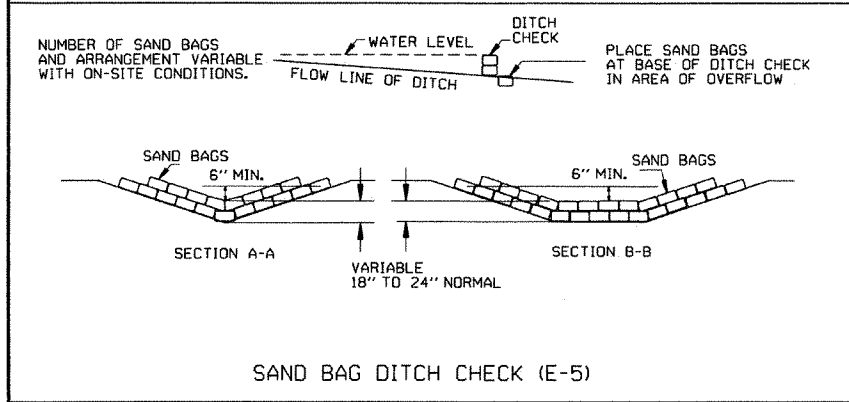
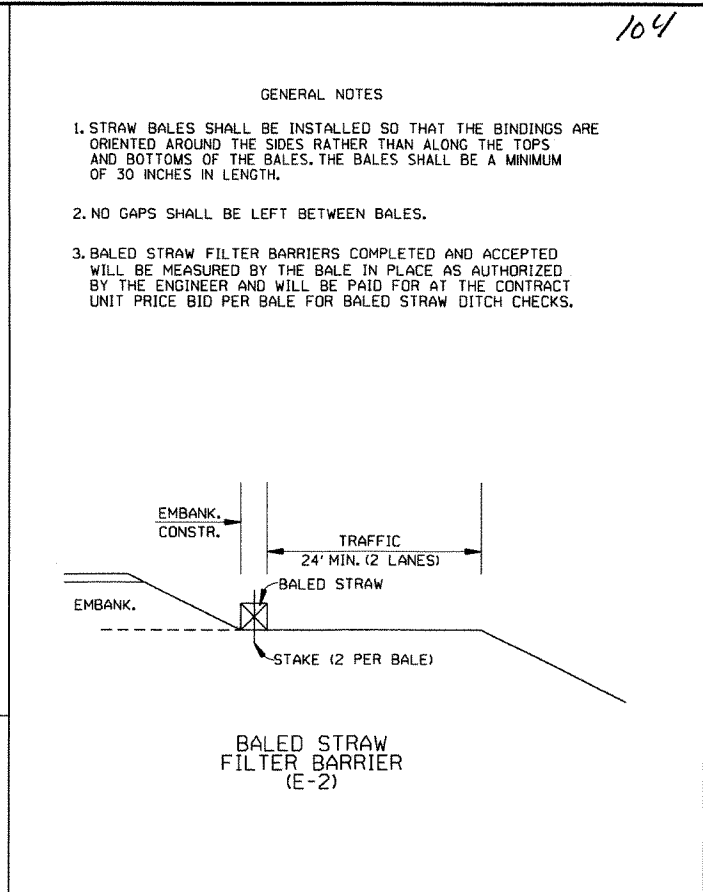
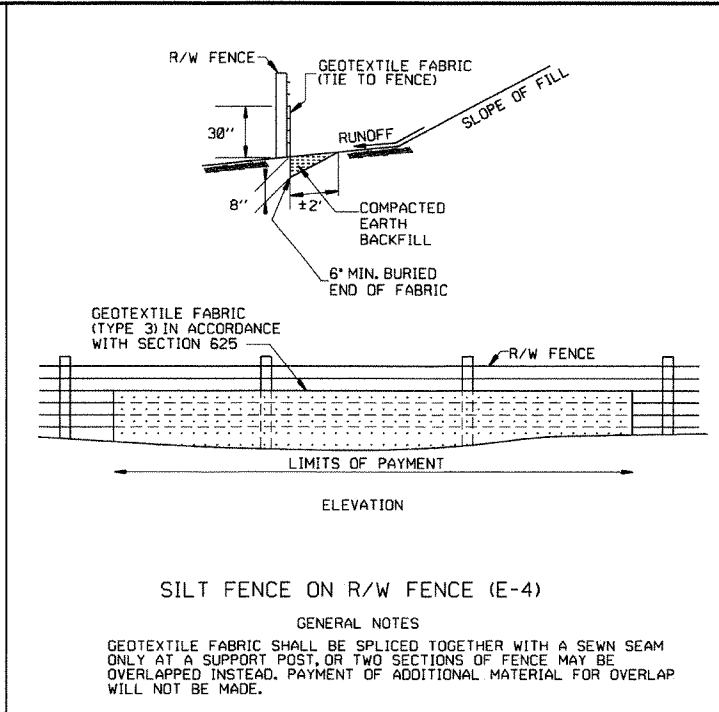
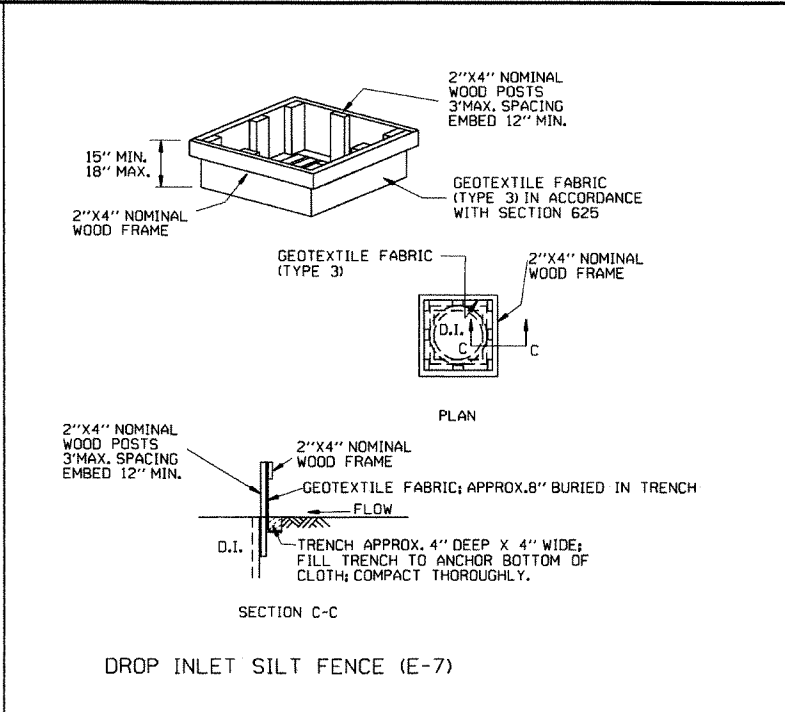
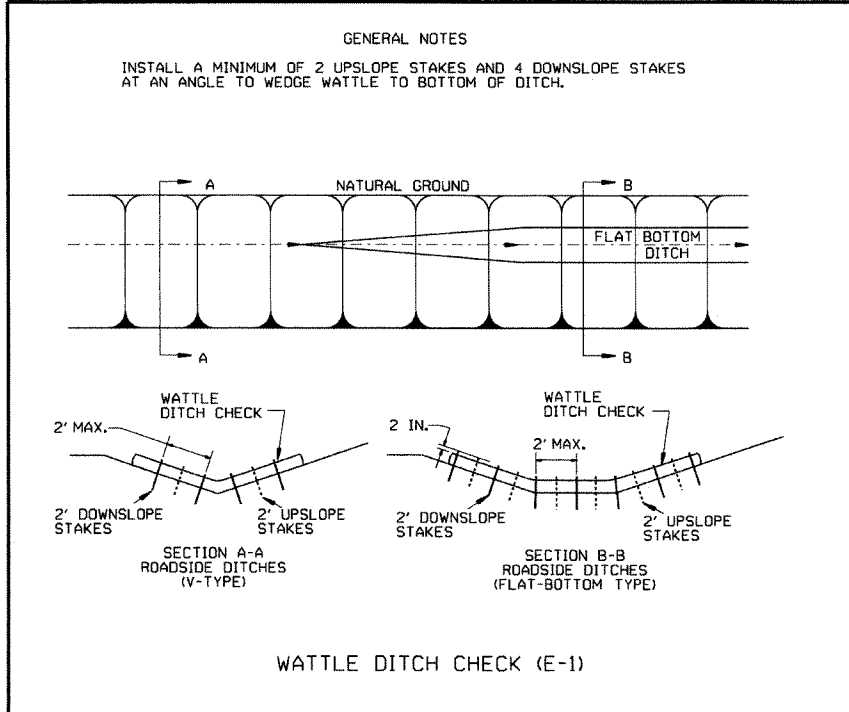
(D) Typical application - closing multiple lanes of a multilane highway.

NOTES: USE SPLICES ONLY WHEN NECESSARY FOR INSTALLATION. TYPICAL INSTALLATION SHOULD HAVE NO SPLICES (SEE STD. DRAWING NO. SHS-21) NORMAL INSTALLATIONS WILL REQUIRE 1/4" DIA. BOLTS TO MOUNT SIGNS TO POST AND 5/16" DIA. BOLTS TO ASSEMBLE THE VARIOUS POST SUPPORTS. EACH OF THESE BOLTS SHALL BE CARRIAGE BOLTS. SIGN POSTS SHALL BE PAINTED GREEN; SIGNS SHALL NOT BE PAINTED, AND ALL SIGN POSTS SHALL BE PLUMB.



DATE	REVISION	FILED
10-15-09	ADDED REFERENCE TO MASH	
11-20-08	REVISED SIGN DESIGNATIONS	
11-18-04	ADDED NOTE	
10-1-98	ADDED NOTE	
4-03-97	ADDED (SP) TO W6-1 & REVISED TRAFFIC CONTROL DEVICES NOTE	
10-18-96	ADDED R55-1	
10-12-95	MOVED UPPER SPLICE	
6-8-95	REVISED SPLICE DETAIL, TEXT	6-8-95
2-2-95	REVISED PER PART VI, MUTCD, SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	

ARKANSAS STATE HIGHWAY COMMISSION
STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION
STANDARD DRAWING TC-3



12-15-11	DELETED BALED STRAW DITCH CHECK & ADDED WATTLE DITCH CHECK		ARKANSAS STATE HIGHWAY COMMISSION
11-18-98	ADDED NOTES		
7-02-98	ADDED BALED STRAW FILTER BARRIER (E-2)		
7-20-95	REVISED SILT FENCE E-4 AND E-11	7-20-95	TEMPORARY EROSION CONTROL DEVICES
7-15-94	REV. E-4 & E-11 MIN. 13" BURIED END OF FABRIC		
6-2-94	REVISED E-1, 4, 7 & 11; DELETED E-2 & 3	6-2-94	
4-1-93	REDRAWN		
10-1-92	REDRAWN		
8-2-76	ISSUED R.D.M.	298-7-28-76	STANDARD DRAWING TEC-1
DATE	REVISION	FILMED	